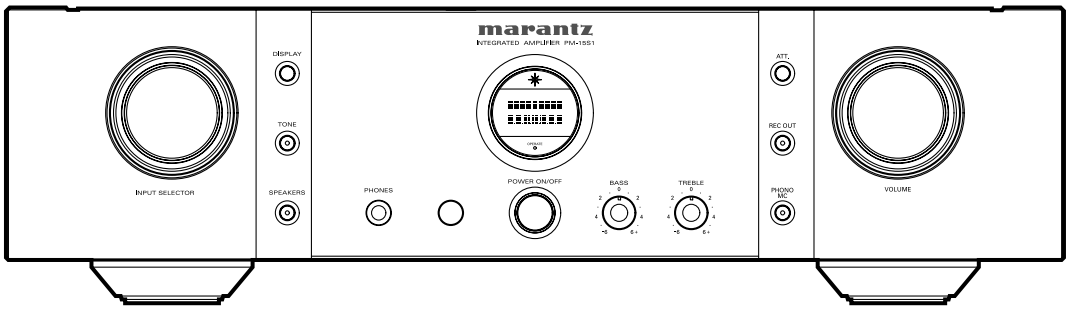
Service Manual

PM-15S1 /F N/K1G/L1G/N1G/S1G /N1S

Integrated Amplifier



PM-15S1

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Please use this service manual with referring to the user guide (D.F.U.) without fail.
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

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PM-15S1

Part no. 90M10AJ855010
First Issue 2005.03
MJI

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CHINA
TEL : 021 - 6248 - 1064
FAX : 021 - 6248 - 3565

SHOCK, FIRE HAZARD SERVICE TEST :

CAUTION : After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or Front Panel of product and controls and chassis bottom.

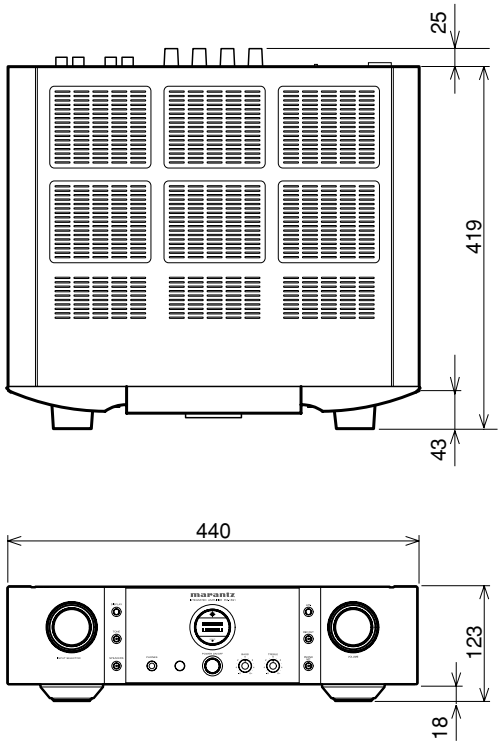
Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

1. TECHNICAL SPECIFICATIONS

Power output (20 Hz ~ 20 kHz simultaneous drive of both channels)
..... 90W x 2 (8Ω load)
..... 140W x 2 (4Ω load)
Total harmonic distortion (20Hz ~ 20kHz simultaneous drive of both channels, 8Ω load) 0.05%
Power band width (8Ω load, 0.05%) .....5Hz ~ 40kHz
Frequency response (CD, 1W, 8Ω load .....5Hz ~ 100kHz
Dumping factor (8Ω load, 20Hz ~ 20kHz)..... 100
Input sensitivity/Input impedance
PHONO (MC) 300μV/100Ω
PHONO (MM)..... 3.2mV/47kΩ
CD/LINE/RECORDER 240mV/20kΩ
Output voltage/Output impedance
PRE OUT 1.7 V/330Ω
Maximum allowed PHONO input (1kHz)
MC 15mV
MM 150mV
RIAA deviation (20Hz ~ 20kHz) .....±0.5dB
S/N (IHF-A, 1W, 8Ω load)
PHONO (MC) ..... 77dB (0.5mV input)
PHONO (MM)..... 85dB (5mV input)
CD/LINE/RECORDER ..... 90dB (500mV input)

Tone control
Bass (50Hz) .....±10dB
Treble (20kHz) .....±10dB
Power requirement .....AC 100V 50/60Hz [/F]
..... AC 220V 50/60Hz [/K]
.....AC 110V 60Hz [/L]
.....AC 230V 50Hz [/N/S]
Power consumption
(EN60065).....220W
(4Ω , 140W x 2 output).....550W
Accessories
Remote controller..... 1
AAA batteries 2
Detachable AC power cable 1
Maximum outer dimensions (Amp)
Width 440mm
Height..... 123mm
Depth 444mm
Weight (Amp).....18.0kg



2. CAUTION

The layout of this amplifier is well concerned for sound quality.

1. When screws and washers are removed, those parts must be set to the same places.
2. When wires are removed, the wires must be installed in the same roots, same places.
3. Do not hold the side panel (007D) to move the unit when the unit is disassembled.

2. 注意

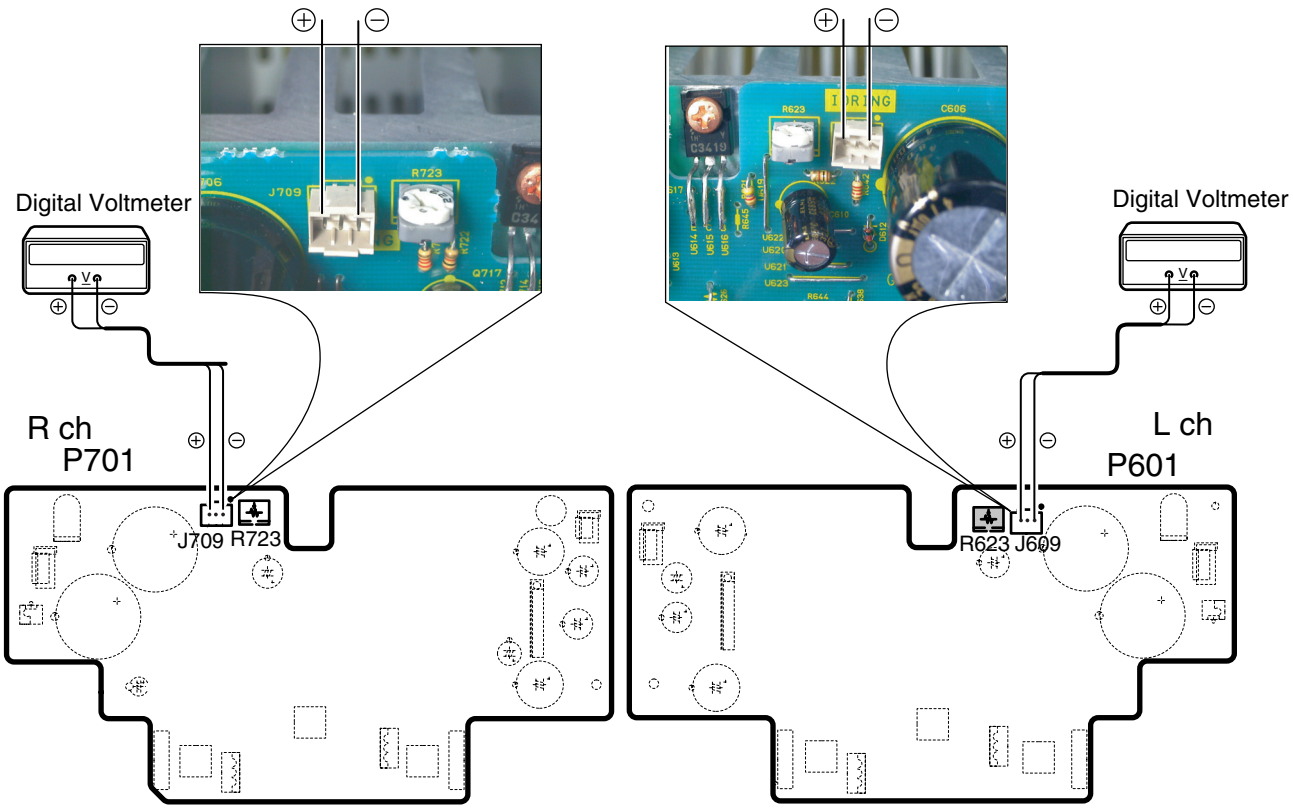
当機は音質を考慮したレイアウトになっています。

1. ネジやワッシャ類を取り外した場合、元の位置に取り付けてください。
2. ワイヤ類を取り外した場合の配線ルートは、元のルート通りに戻してください。
3. 当機を分解した状態で移動するときは、サイドパネル (007D) を持たないでください。

3. ALIGNMENTS

Idling Current Adjustment

アイドリング電流調整

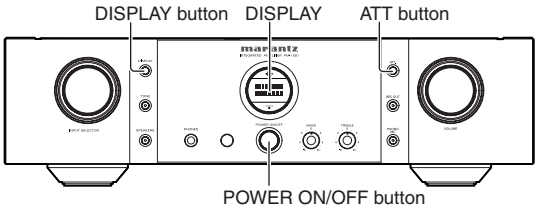


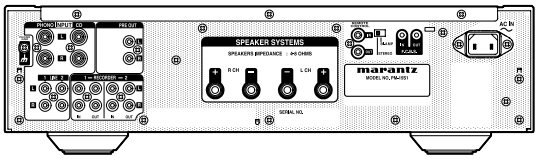
1. Adjust the Idling Current with the variable resistor **R623** and **R723** on the PCB (P601/P701).
2. Turn off the power.
3. "**-**" of Connect Digital Voltage is connected to the **No. 1 pin** and connected "**+**" to **No. 3 pin** of **J609**.
4. "**-**" of Connect Digital Voltage is connected to the **No. 1 pin** and connected "**+**" to **No. 3 pin** of **J709**.
5. Before turning on the power, **R623** and **R723** have been counter clockwise turned with the adjustment driver.
6. Turn on the power, **VOLUME** is set as **- ∞**.
7. With seeing the digital voltage meter turn the variable resister clockwise slowly to adjust the idling current. Idling adjustment with **R623 (R723)**.
   - Turn **R623 (R723)** clockwise to increase the idling current.
   - The adjustment value of idling current is **10mV(50mA) ±0.5mV(2.5mA) each.**
8. **After 4 minutes, repeat the same procedure as 7.**
   - Turn **R623 (R723)** clockwise to increase the idling current.
   - The adjustment value of idling current is **10mV(50mA) ±0.5mV(2.5mA)** each.

   Adjustment is completed.
9. Remove connection cable, attach the top cover.

1. P601/P701 基板上の半固定抵抗 **R623** と **R723** でアイドリング電流を調整します。
2. 電源を OFF します。
3. P601 基板の **J609** にデジタルボルトメーターを接続します。デジタルボルトメーターは **J609** の **1** 番ピン（丸印側）を "**-**" 、**3** 番ピンを "**+**" に接続します。
4. P701 基板の **J709** にデジタルボルトメーターを接続します。デジタルボルトメーターは **J709** の 1 番ピン（丸印側）を "**-**" 、**3** 番ピンを "**+**" に接続します。
5. 電源を投入する前に半固定抵抗 **R623** と **R723** を、調整ドライバーで反時計方向に回しきってください。
6. 電源を投入しボリュームを **- ∞**にしてください。
7. P601 基板の **J609** に接続したデジタルボルトメーターの電圧値を監視しながら、半固定抵抗 **R623** をゆっくりと時計向に回してください。
   - R623 と R723 を時計方向に回すとアイドリング電流が増加します。
   - アイドリング電流の調整値はそれぞれ "10mV(50mA) ±0.5mV(2.5mA)" にします。
8. さらに "4 分 " 経過後、上記 7. の手順でもう一度調整します。以上で調整は完了です。
9. デジタルボルトメーターの接続を外し、トップカバーを取付けます。

4. SERVICE MODE





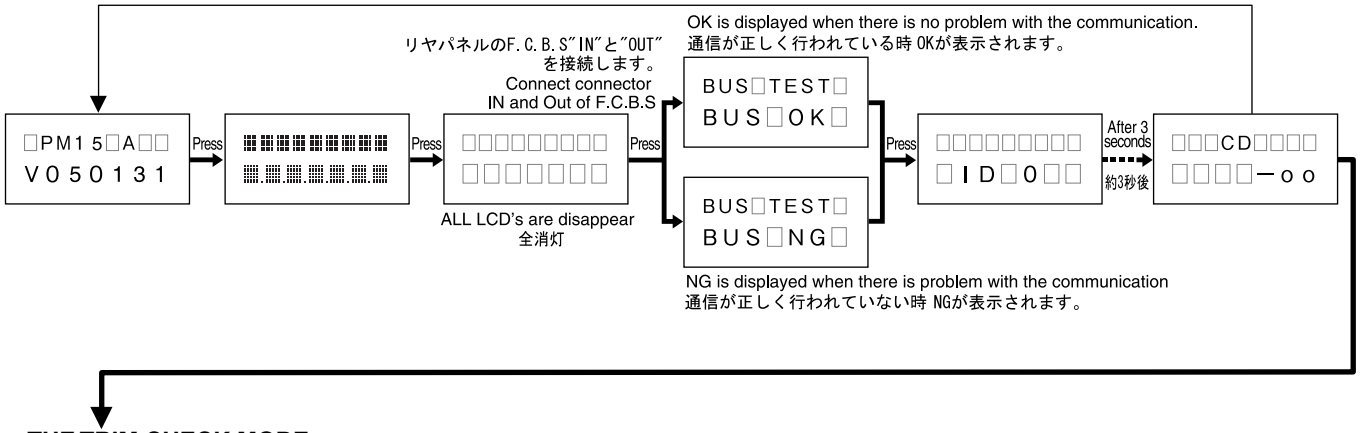
1. To enter the Service Mode, press the **POWER ON/OFF** button with pressing the **DISPLAY** and **ATT** buttons to turn on the unit. (Or when the remote code "166363" is received while power is ON.)
   When into the Service Mode, the memory is cleared and the unit is initialized.

2. The Model name and Version number are displayed on the Front LCD.
   Whenever press the **DISPLAY** button, the display changes as follows.
   Turn off power to quit service mode.

1. 本体の **DISPLAY** ボタンと **ATT** ボタンを押しながら **POWER ON/OFF** ボタンを押します。
   （または、電源 ON 中にリモコンコード "166363" を受信します。）これでサービスモードに入ります。

注意：サービスモードに入ると、全ての設定がクリアされ出荷状態になります。

2. 始めにモデル名、バージョンが表示されます。
   DISPLAY ボタンを押すたびに下記の表示となります。
   POWER ON/OFF ボタンを押し、電源を切るとサービスモードが解除されます。

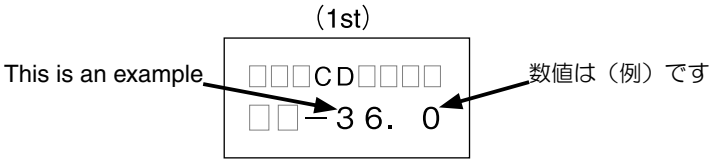


THE TRIM CHECK MODE

1. Press **TONE** button. (1 st)
   Volume Level is displayed .

TRIM チェックモード

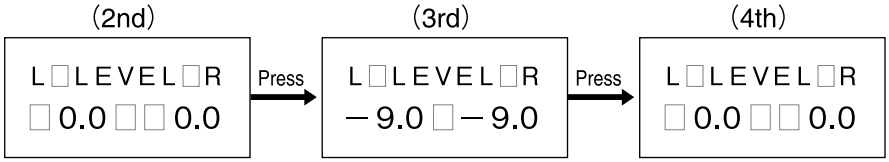
1. **TONE** ボタンを押します。（1 回目）
   ディスプレイに音量が表示されます。



After, whenever press the **TONE** button, TRIM adjustment function works and output level changes according to the display.
Whenever press the **TONE** button, the display changes as follows and output level changes according to the display.

以降、**TONE** ボタンを押すごとにトリム調整機能が働き表示に従い出力レベルが変化します。

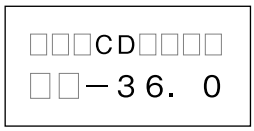
TONE ボタンを押すごとに下記のように表示が変わり、表示に従い出力レベルが変わります。



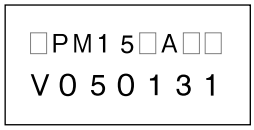
TRIM check mode is completed.

TRIM チェックモードは終了です。

2. Press **DISPLAY** button, the display will be the following.



3. Press **DISPLAY** button, the display will be the following.



4. Turn off power to quit service mode.
   Service mode can be ended if turn off power from every procedure.
   The memory is cleared and the unit is initialized.

2. **DISPLAY** ボタンを押します。下記の表示になります。

3. **DISPLAY** ボタンを押します。下記の表示になります。

4. **POWER ON/OFF** ボタンを押し、電源を切ります。サービスモードが解除されます。
   サービスモードはどの手順からも電源を切ると終了することができます。
   本体の設定は全て下記の出荷状態になります。

Initial settings

出荷状態内容

ID No.: 0	INPUT SELECTOR: CD	VOLUME: - ∞
SIDE ILLUMINATION: ON	DISPLAY: ON	ATT: OFF
LEVEL TRIM: 0.0 (L/R)	TONE: OFF	SPEAKER : OFF
ATT: -20dB	REC OUT: OFF	PHONO MC:OFF

Be sure to set up manually.
MODE SW on Rear panel: STEREO
POWER ON/OFF SW: OFF

下記は、手動で設定
MODE SW：STEREO（必ず設定）
POWER ON/OFF SW：OFF

ERROR MESSAGES

	Error	Contents	Measure
1	ERROR 02	The units of ID No.2 overlaps.	ID number is changed into the ID No. not overlapping.
2	ERROR 03	The unit of ID No.3 overlaps.	
3	ERROR 04	The unit of ID No.4 overlaps.	
4	ERROR 11	The unit of ID No.2 to No.4 cannot communicate with the unit of ID No.1.	• If the unit ID number 1 is not turn on, turn on the unit ID No.1. • Check the remote cable is connected correctly.
5	ERROR 12	The unit of ID No.1 cannot communicate with the unit of ID No.2 to No.4	• ID No. is changed into ID No. not overlapping. • Check the remote cable is connected correctly.

エラーメッセージ

	表　示	内　容	対　策
1	ERROR 02	ID 番号 2 のアンプが重複しています。	ID 番号が重複しないように ID 番号を設定してください。
2	ERROR 03	ID 番号 3 のアンプが重複しています。	
3	ERROR 04	ID 番号 4 のアンプが重複しています。	
4	ERROR 11	ID 番号 2 ～ 4 のアンプが ID 番号 1 のアンプと通信できません。	• ID 番号 1 のアンプに電源が入っていない場合は電源を入れてください。 • リモートケーブルが正しく接続されているか確認してください。
5	ERROR 12	ID 番号 1 のアンプが ID 番号 2 ～ 4 のアンプと通信できません。	• ID 番号 1 のアンプが重複している場合は ID 番号を正しく設定してください。 • リモートケーブルが正しく接続されているか確認してください。

5. MAIN MICROPROCESSOR (QU01) UPDATE PROCEDURE

Necessary Equipment

- Windows PC (Windows2000 or WindowsXP) with COM port
- RS232C cable straight type (9pin female – 9Pin female)
- Update Disc (90M-PM15S1CDR)
- DATA UPDATE KIT (part no.: 90M-PM11S1JIG)

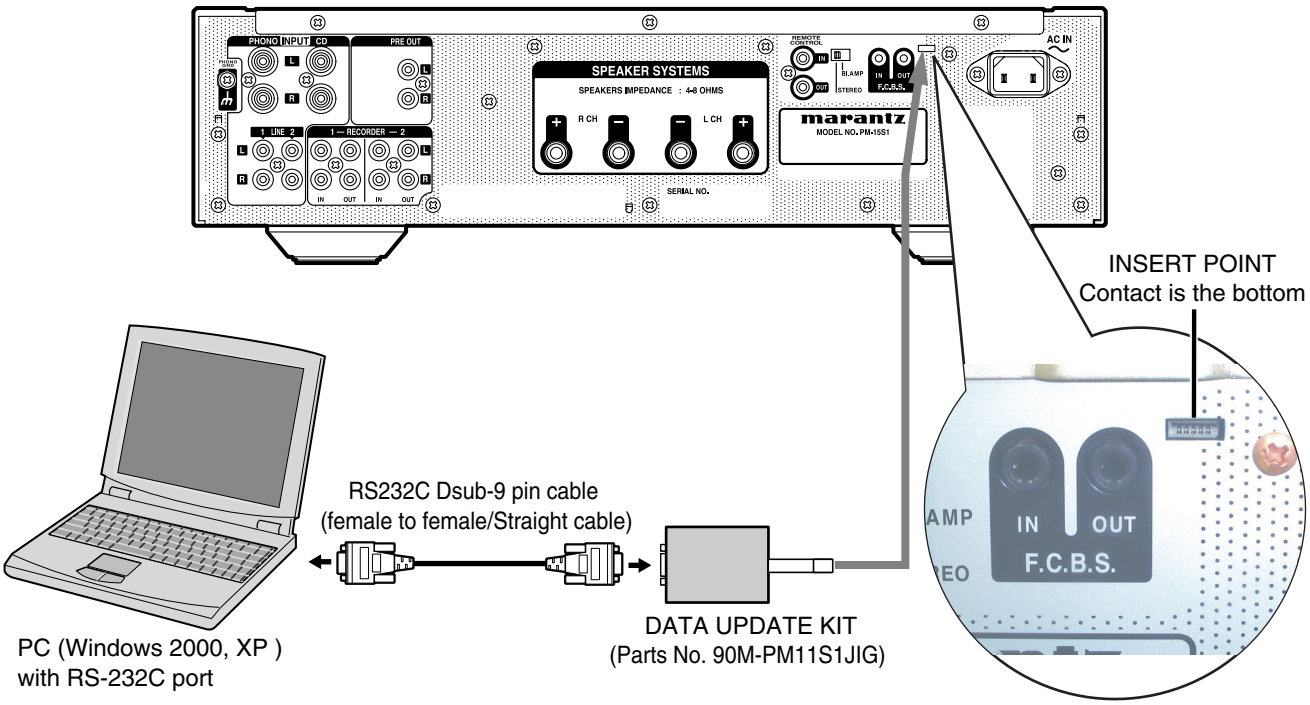
5.1. Connection

5. MAIN MICROPROCESSOR (QU01) アップデート方法

必要機器

- Windows PC (OS:Windows2000 または WindowsXP) で COM port のあるもの
- RS232C ストレートケーブル (9pin メス - 9pin メス)
- マイコンアップデートディスク (90M-PM15S1CDR)
- マイコンアップデートキット
  (部品番号 : 90M-PM11S1JIG)

5.1. 接続図

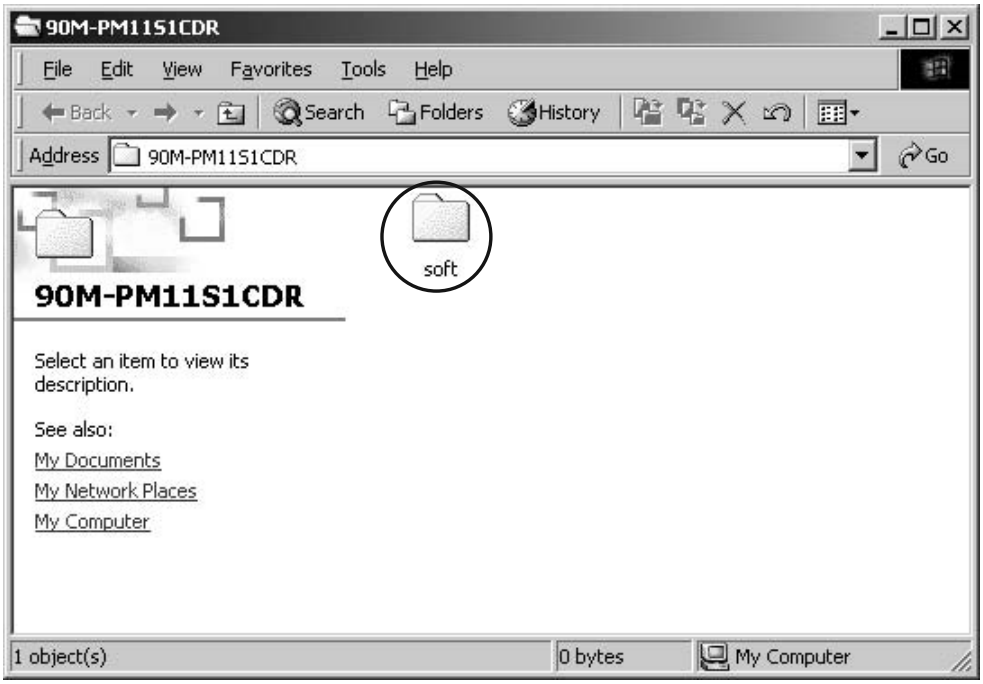


5.2. Installs of The software
(Flash Development Toolkit 3.0)

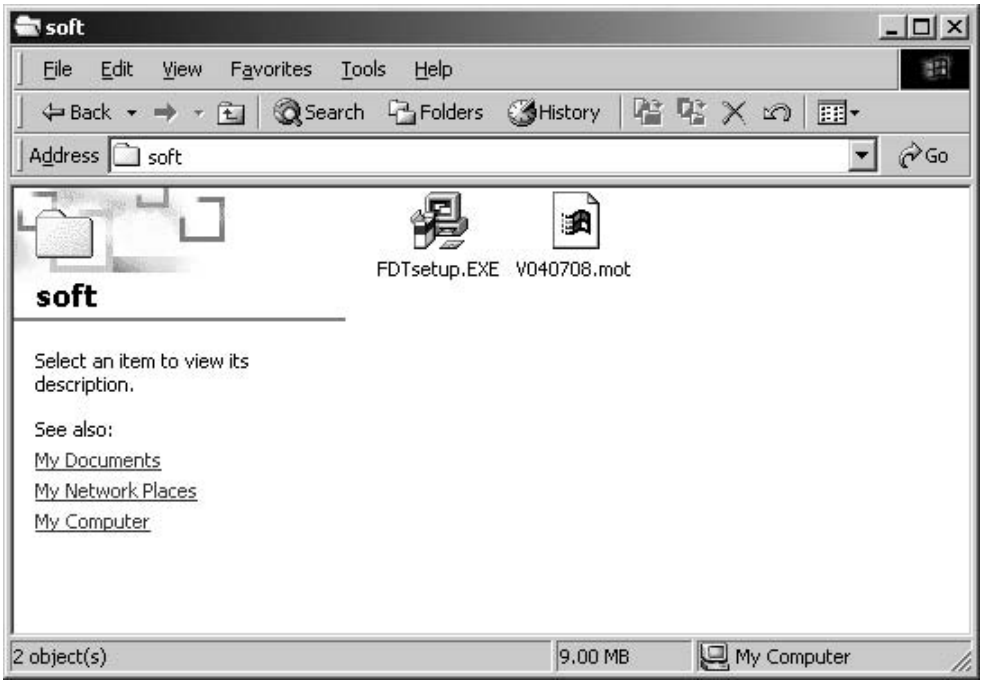
The explanation drawing

- The explanation drawings are using **PM-11S1** in this section. Please replace with **PM-15S1** the portion currently mentioned as **PM-11S1**, and operate it

1. Open the CD-ROM (90M-PM15S1CDR) Disc, and double click soft folder.



2. Double click the **FDT setup.exe**



5.2. 書き込みソフトウェアのインストール
(Flash Development Toolkit 3.0)

説明図について

- 説明図は **PM-11S1** を使用しています。図中に **PM-11S1** と記載されている箇所は **PM-15S1** と置き換えて操作してください。

1. CD-ROM (90M-PM15S1CDR) の soft フォルダをダブルクリックします。

2. **FDT setup.exe** をダブルクリックします。

3. Click **Next**.

3. インストールウィザードが起動します。
Next をクリックします。

Renesas Flash Development Toolkit Installation
Welcome!
This installation program will install the Renesas Flash Development Toolkit v3.0.
Press the Next button to start the installation. You can press the Cancel button now if you do not want to install the Renesas Flash Development Toolkit at this time.
Read Release Notes
< Back
Next >
Cancel

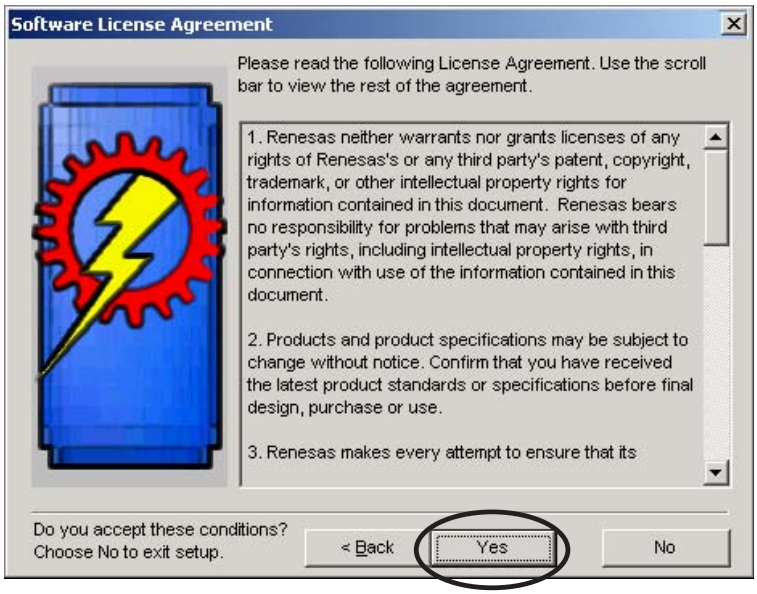
4. Choose the language. And click **Next**.

4. 言語を選んで **Next** をクリックします。

Renesas Flash Development Toolkit Installation
Select Language
Please select your preferred language - this will affect the on-line manuals and help files that will be installed.
English
Japanese
< Back
Next >
Cancel

5. Click **Yes**.

5. **Yes** をクリックします。


Software License Agreement
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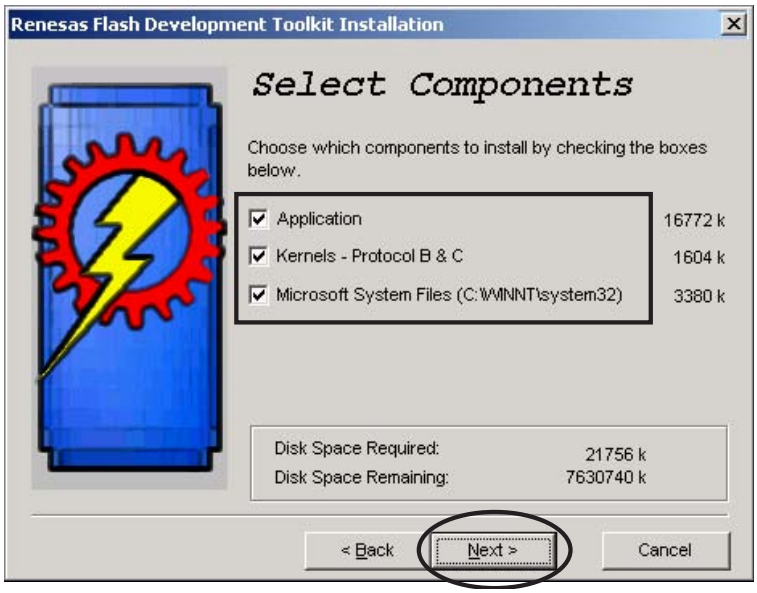
2. Products and product specifications may be subject to change without notice. Confirm that you have received the latest product standards or specifications before final design, purchase or use.
3. Renesas makes every attempt to ensure that its
Do you accept these conditions?
Choose No to exit setup.
< Back
Yes
No

6. Check to the all check boxes. And click **Next**.

6. チェックボックス全てにチェックが入っていることを確認して **Next** をクリックします。


Renesas Flash Development Toolkit Installation
Select Components
Choose which components to install by checking the boxes below.
Application 16772 k
Kernels - Protocol B & C 1604 k
Microsoft System Files (C:\WINNT\system32) 3380 k
Disk Space Required: 21756 k
Disk Space Remaining: 7630740 k
< Back
Next >
Cancel

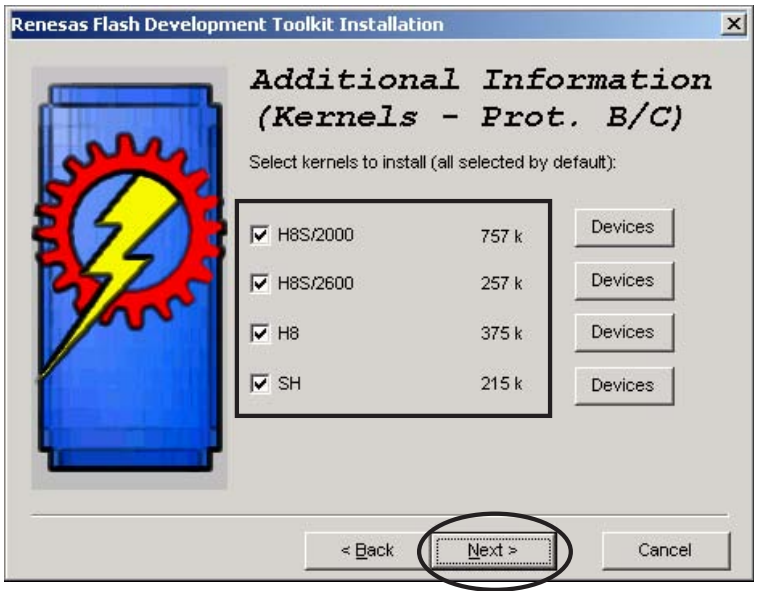
7. Click **Next**.

7. **Next** をクリックします。

Renesas Flash Development Toolkit Installation
Additional Information
Clear product's registry entries before installing
If there are entries for this product already present in the registry, clearing these entries will provide a clean installation.
< Back
Next >
Cancel

8. Check to the all check boxes. And click **Next**.

8. チェックボックス全てにチェックが入っていることを確認して **Next** をクリックします。



9. Click **Next**.

9. **Next** をクリックします。

Renesas Flash Development Toolkit Installation
Select Destination Directory
Please select the directory where the Renesas Flash Development Toolkit files are to be installed.
'Free Disk Space After Install' is based on your current selection of files to install. A negative number indicates that there is not enough disk space to install the application to the specified drive.
C:\Program Files\Renesas\FDT3.0
Browse...
Current Free Disk Space: 7651136 k
Free Disk Space After Install: 7629264 k
< Back
Next >
Cancel

10. Click **Next**.

10. **Next** をクリックします。

11. Click **Next**.

11. **Next** をクリックします。

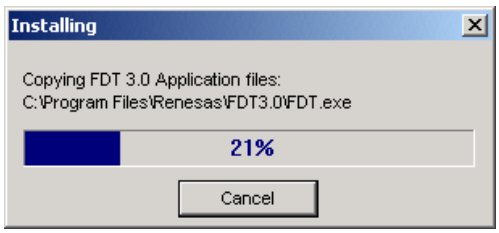
12. Click **Install**.

12. **Install** をクリックします。

Renesas Flash Development Toolkit Installation
Ready to Install!
You are now ready to install the Renesas Flash Development Toolkit.
Press the Install button to begin the installation or the Back button to reenter the installation information.
< Back
Install
Cancel

13. The status bar appears.

13. インストールを開始します。



14. Click **Finish**.

14. **Finish** をクリックして書き込みソフトウェアのインストールを完了します。

Renesas Flash Development Toolkit Installation
Installation Completed!
The installation of the Renesas Flash Development Toolkit has been successfully completed.
Extra information is available on our website.
To uninstall this update, use the Add/Remove Programs icon in Control Panel, and select "Renesas Flash Development Toolkit" from the list.
Press the Finish button to exit this installation.
< Back
Finish
Cancel

5.3. The writing software setup procedure.

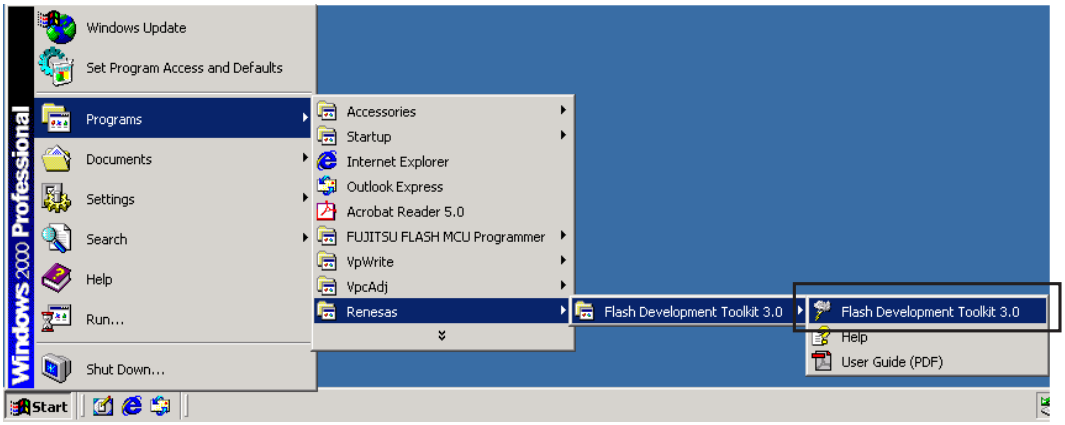
Launch up the writing software.

1. Click **Start / Programs / Renesas / Flash Development Toolkit 3.0 / Flash Development Toolkit 3.0**.

5.3. 書き込みソフトウェアの設定

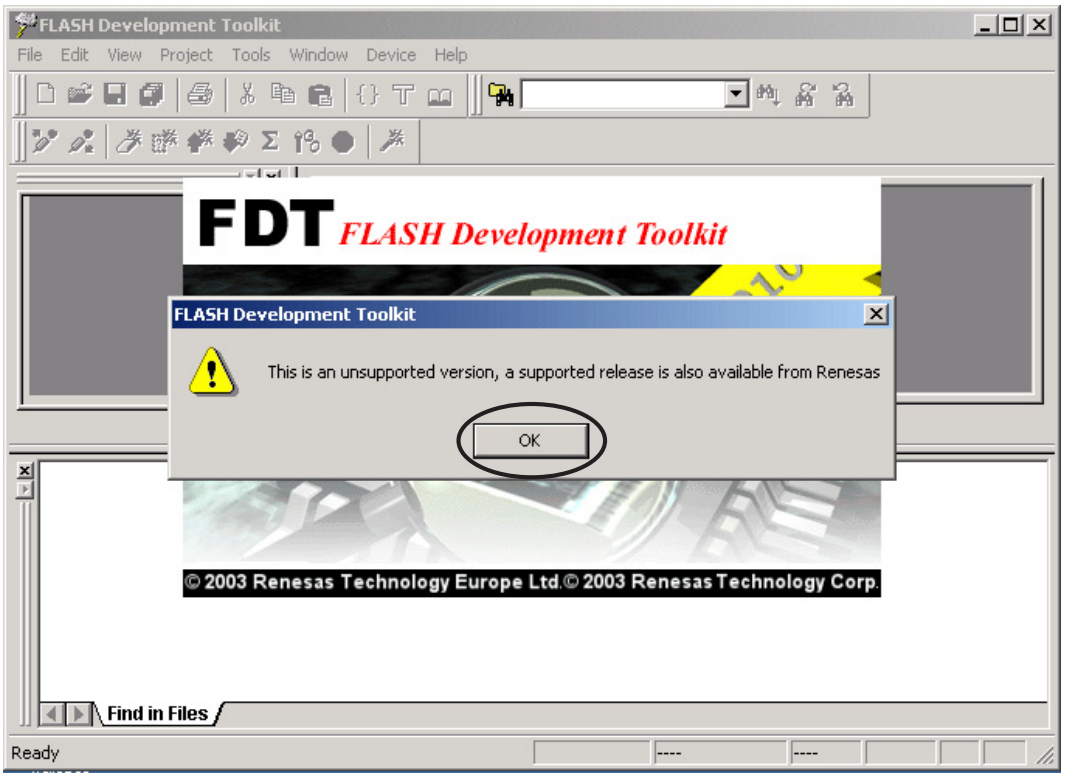
ソフトウェアの起動

1. **Start / Programs / Renesas / Flash Development Toolkit 3.0 / Flash Development Toolkit 3.0** をクリックします。



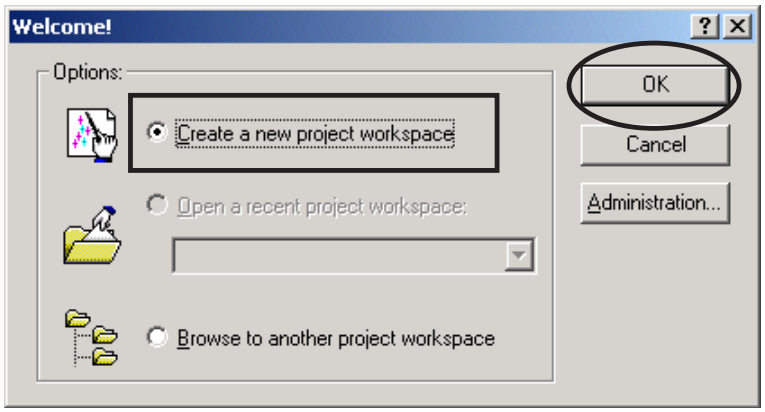
2. Click **OK**. (This window appears at every starting.)

2. **OK** をクリックします。(起動のたびに下記のコマンドが出ますのでその都度 **OK** をクリックしてください。)


FLASH Development Toolkit
File Edit View Project Tools Window Device Help
FDT FLASH Development Toolkit
FLASH Development Toolkit
This is an unsupported version, a supported release is also available from Renesas
OK
© 2003 Renesas Technology Europe Ltd.© 2003 Renesas Technology Corp.
Find in Files
Ready

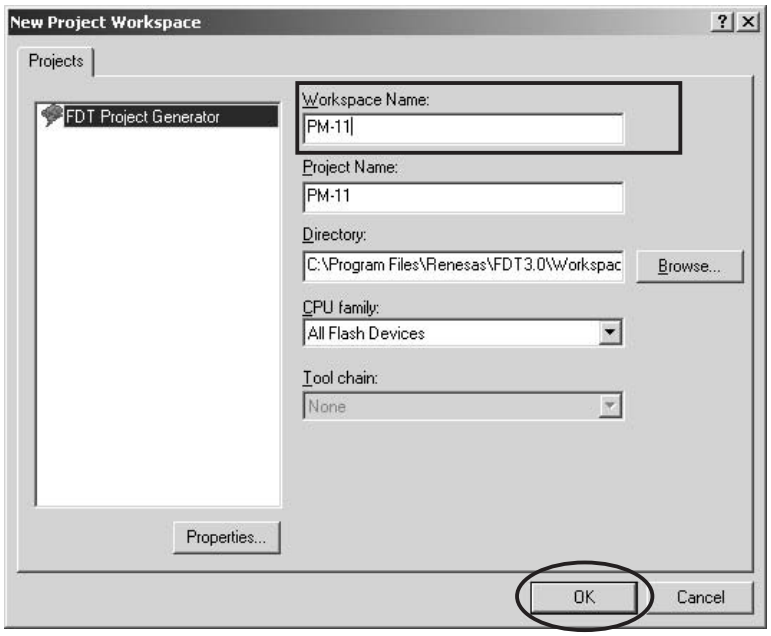
3. Check **Create a new project workspace**, and click **OK**.

3. **Create a new project workspace** にチェックを入れ、**OK** をクリックします。



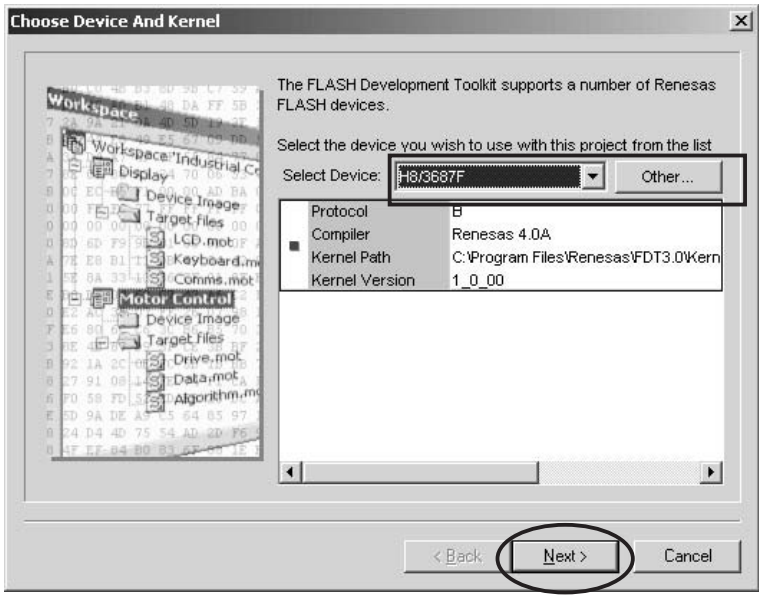
4. **PM-15** is inputted into the Workspace name.
(It is simultaneously inputted into Project Name.)
Click **OK**.

4. Workspace Name に **PM-15** と入力します。
(同時に Project Name にも入力されます。)
OK をクリックします。



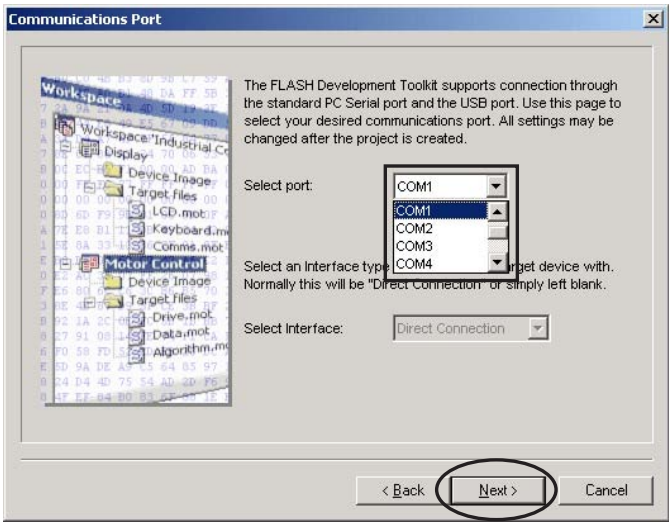
5. Choose the **H8/3687F** in Select Device.
Click **Next**.

5. Select Device から **H8/3687F** を選び、クリックします。
Next をクリックします。



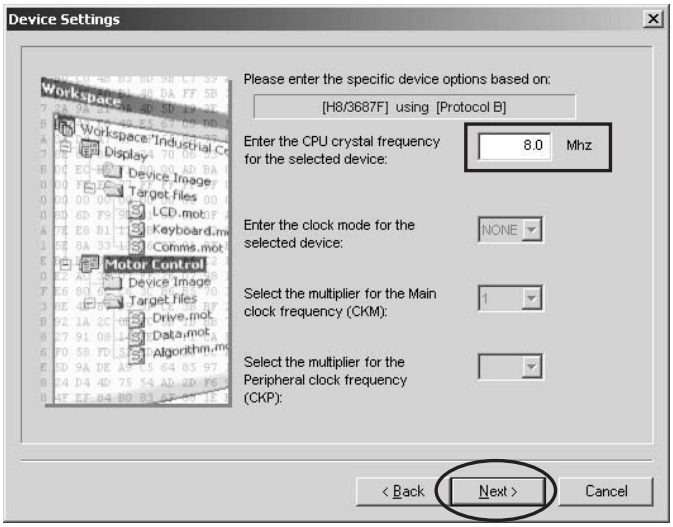
6. Choose the **Serial port No.** in the Select Port. Click **Next**.

6. Select Port から接続する **Serial Port 番号**を選び、クリックします。**Next** をクリックします。


Communications Port
The FLASH Development Toolkit supports connection through the standard PC Serial port and the USB port. Use this page to select your desired communications port. All settings may be changed after the project is created.
Select port:
COM1
COM1
COM2
COM3
COM4
Select an Interface type
get device with.
Normally this will be "Direct Connection" or simply left blank.
Select Interface:
Direct Connection
< Back
Next >
Cancel

7. **8.0** is inputted into the "Enter the CPU crystal frequency for the selected device:". Click **Next**.

7. "Enter the CPU crystal frequency for the selected device:" に **8.0** と入力します。**Next** をクリックします。

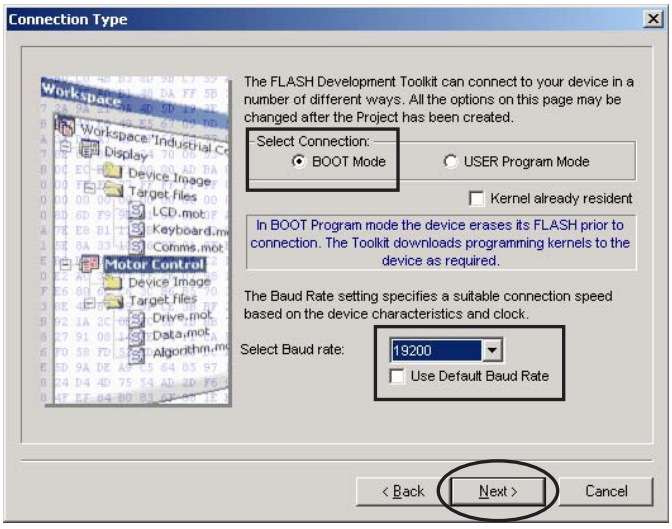

Device Settings
Please enter the specific device options based on:
[H8/3687F] using [Protocol B]
Enter the CPU crystal frequency for the selected device:
8.0
Mhz
Enter the clock mode for the selected device:
NONE
Select the multiplier for the Main clock frequency (CKM):
1
Select the multiplier for the Peripheral clock frequency (CKP):
< Back
Next >
Cancel

8. Check the **BOOT Mode** in Select Connection. Choose the **19200** in Select Baud rate. Click **Next**.

Remark :
Please remove check mark, if it is contained in Use Default Baud Rate.

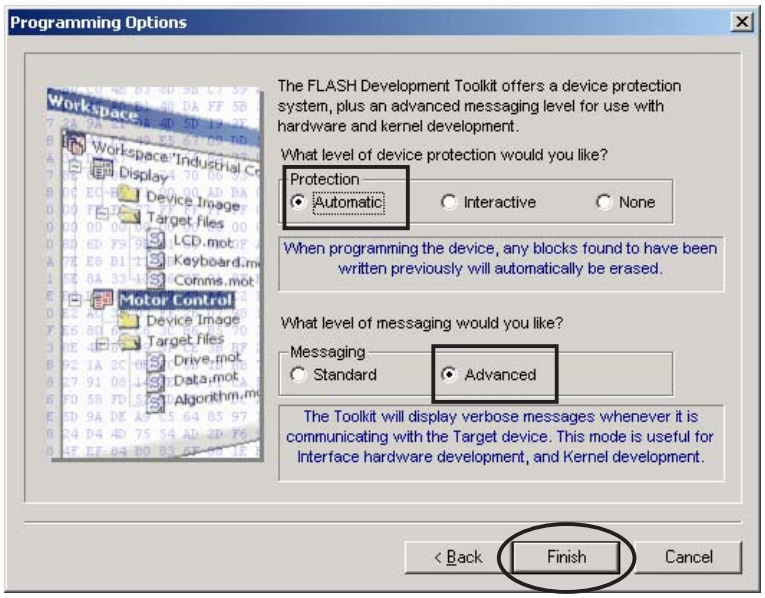
8. Select Connection: から **BOOT Mode** にチェックを入れます。
Select Baud rate: から **19200** を選び、**Next** をクリックします。

注意 :
Use Default Baud Rate にチェックが入っていると Baud Rate を変更できませんのでチェックを外してください。

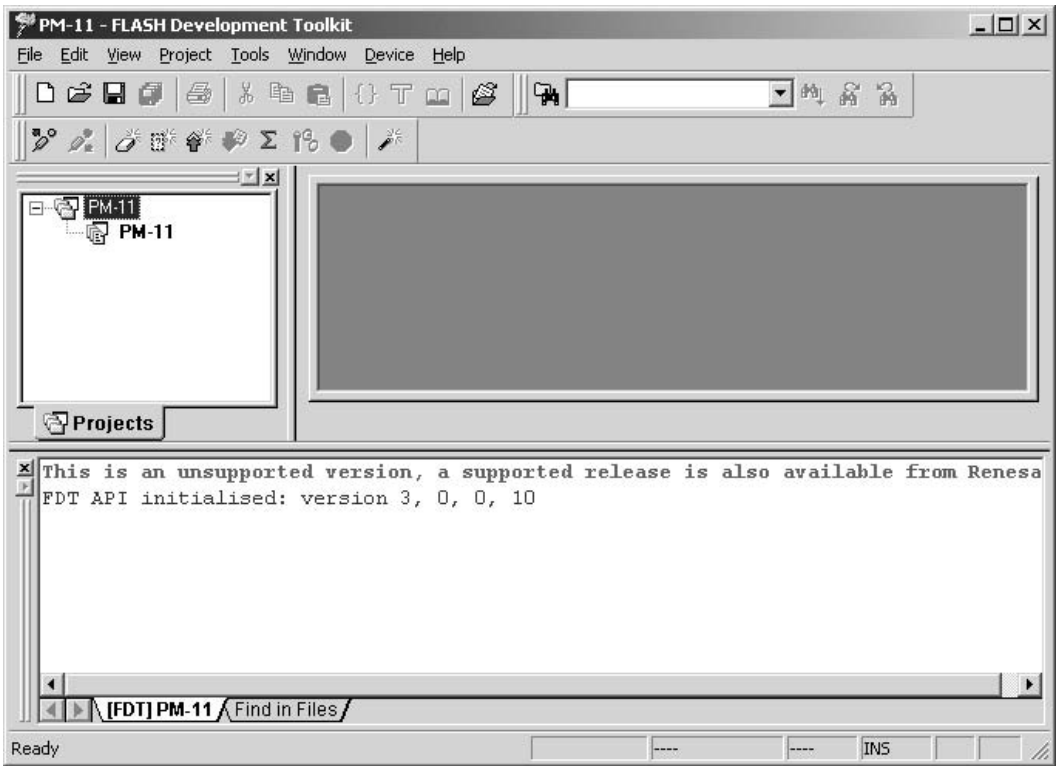

Connection Type
The FLASH Development Toolkit can connect to your device in a number of different ways. All the options on this page may be changed after the Project has been created.
Select Connection:
BOOT Mode
USER Program Mode
Kernel already resident
In BOOT Program mode the device erases its FLASH prior to connection. The Toolkit downloads programming kernels to the device as required.
The Baud Rate setting specifies a suitable connection speed based on the device characteristics and clock.
Select Baud rate:
19200
Use Default Baud Rate
< Back
Next >
Cancel

9. Check the **Automatic** in Protection.
   Check the **Advanced** in Messaging.
   Click **Finish**.

9. Protection から **Automatic** にチェックを入れます。
   Messaging から **Advanced** にチェックを入れます。
   Finish をクリックします。


Programming Options
The FLASH Development Toolkit offers a device protection system, plus an advanced messaging level for use with hardware and kernel development.
What level of device protection would you like?
Protection
Automatic
Interactive
None
When programming the device, any blocks found to have been written previously will automatically be erased.
What level of messaging would you like?
Messaging
Standard
Advanced
The Toolkit will display verbose messages whenever it is communicating with the Target device. This mode is useful for Interface hardware development, and Kernel development.
< Back
Finish
Cancel

以上で設定は完了です。


PM-11 - FLASH Development Toolkit
File Edit View Project Tools Window Device Help
PM-11
PM-11
Projects
This is an unsupported version, a supported release is also available from Renesa
FDT API initialised: version 3, 0, 0, 10
[FDT] PM-11
Find in Files
Ready
INS

5.4. Writing procedure

1. Click **Start / Programs / Renesas / Flash Development Toolkit3.0 / Flash Development Toolkit3.0**.

2. Click **OK**. (This window appears at every starting)

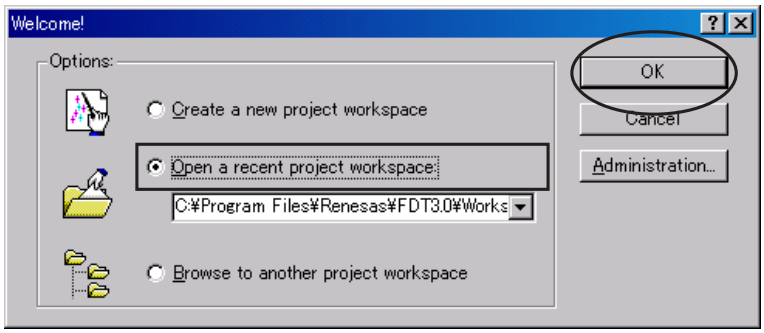
5.4. 書き込み方法

1. **Start / Programs / Renesas / Flash Development Toolkit3.0 / Flash Development Toolkit3.0** をクリックします。

2. **OK** をクリックします。（起動のたびに下記のコマンドが出ますのでその都度 **OK** をクリックしてください）

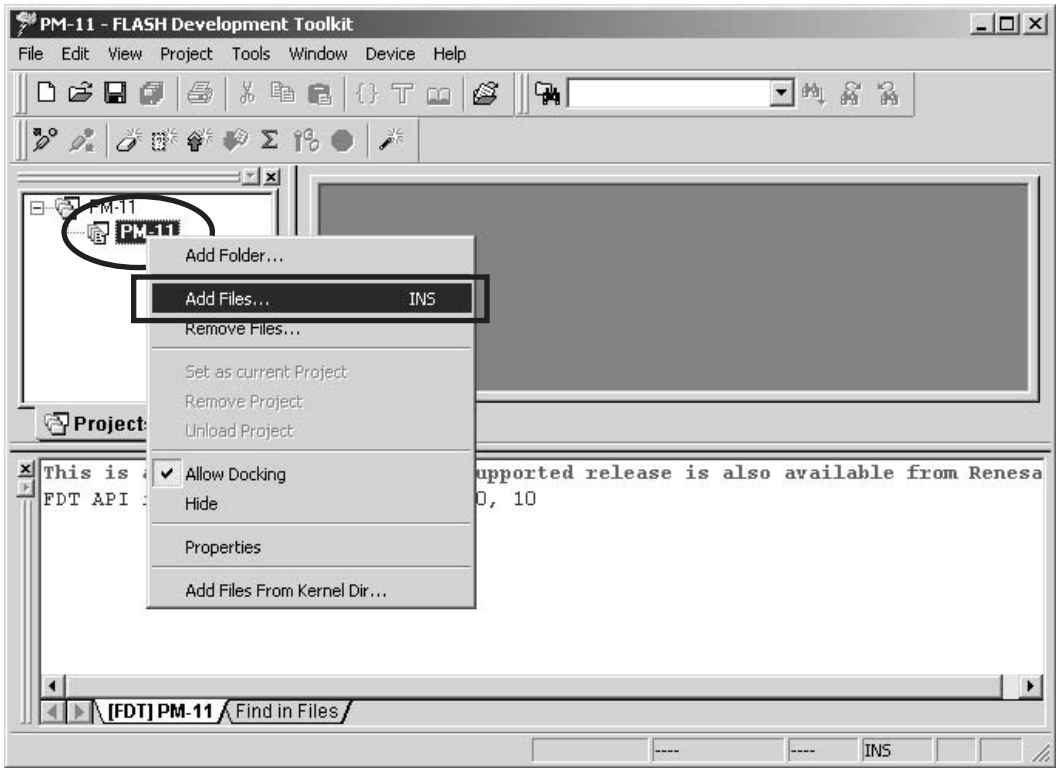
3. Check **Open a recent project workspace**, and click **OK**.

3. **Open a recent project workspace** をにチェックを入れて **OK** をクリックします。



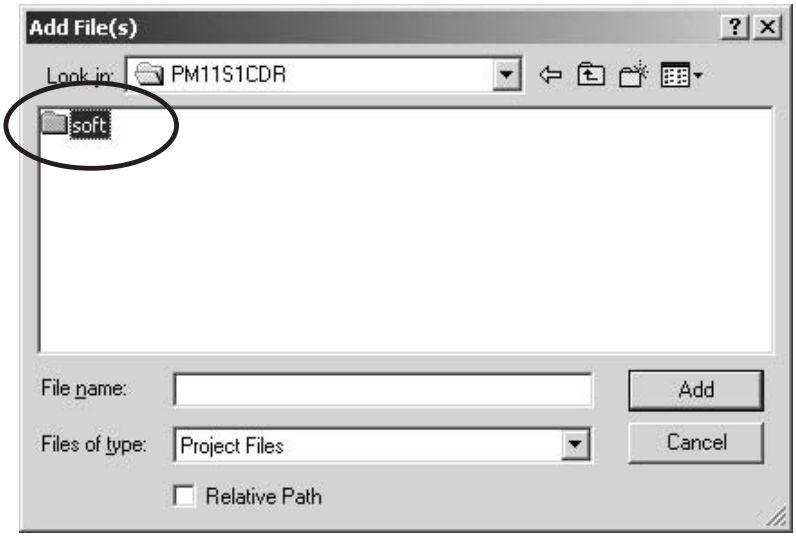
4. The right click PM-15, and Click Add **Files...**.

4. 以下の画面が出ましたら、2 階層目にある PM-15 のアイコン上で右クリックをして、**Add Files...** をクリックします。



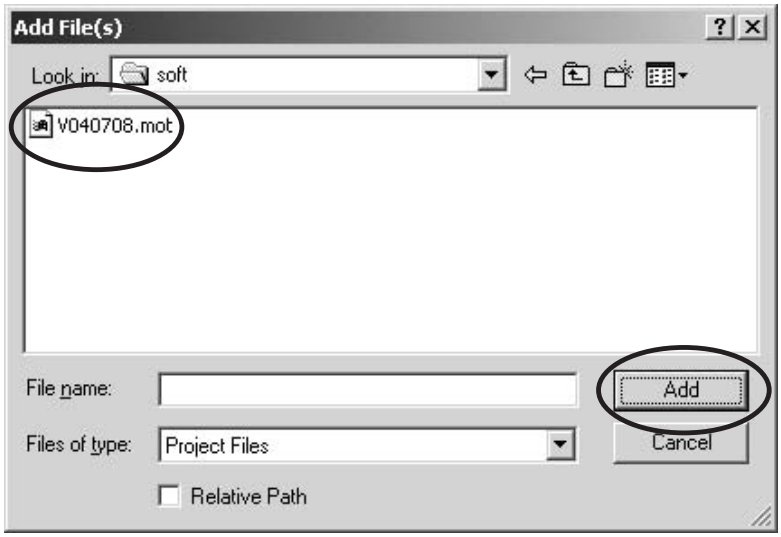
5. Open the CD-ROM (90M-PM15S1CDR) and double click **soft** folder.

5. アップデートディスク（90M-PM15S1CDR）の **soft** フォルダをダブルクリックします。



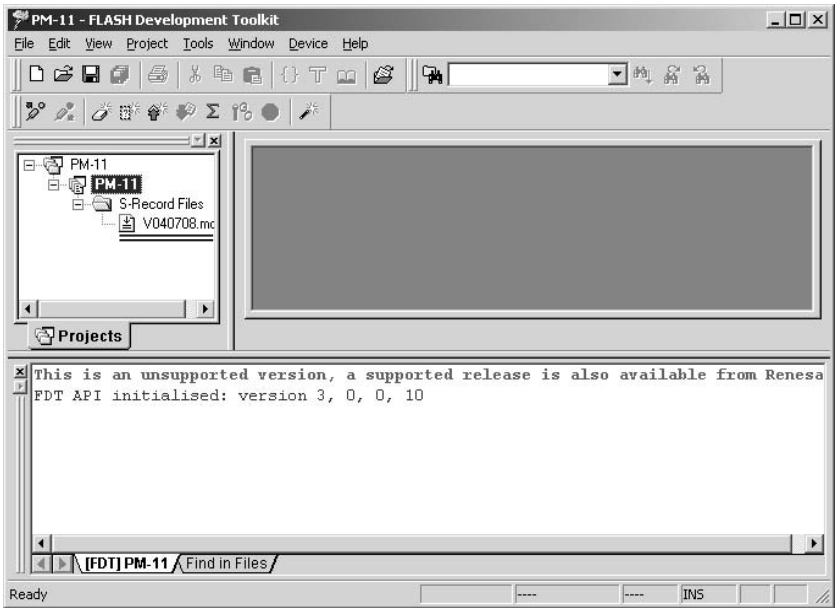
6. Select **V040708.mot,** and Click **Add**.

6. **V040708.mot** を選択し、**Add** をクリックします。



7. The holder of **V040708.mot** is made.

7. **V040708.mot** のホルダーが出来ます。



8. It checks that PM-15S1 and the COM port are connected by RS232C cable.

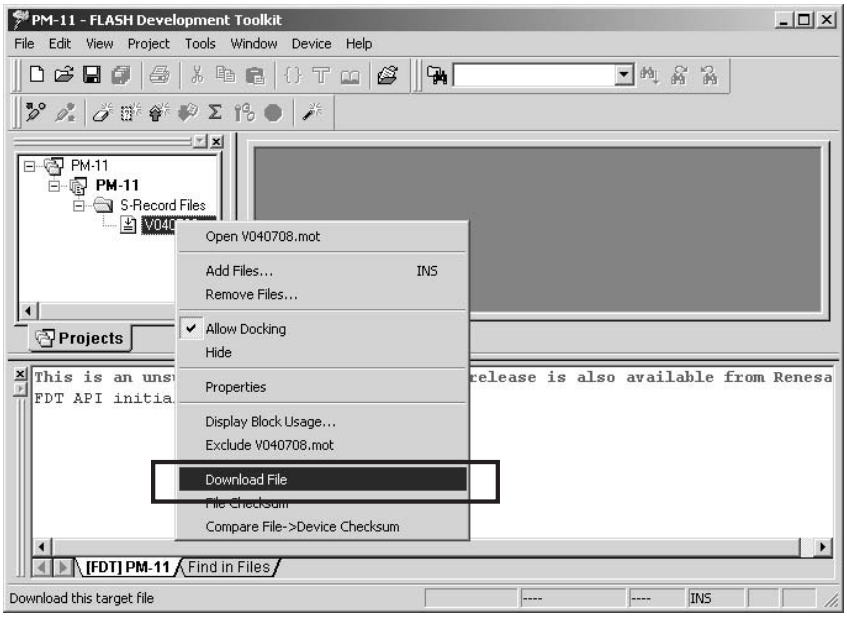
9. Press **POWER** Button to turn on the unit.
The unit is in the boot mode.(LED and LCD display on the front panel disappear.)

10. The right click V040708.mot, and Click **Download File**.

8. PM-15S1 と Windows PC の COM ポートの接続を確認します。

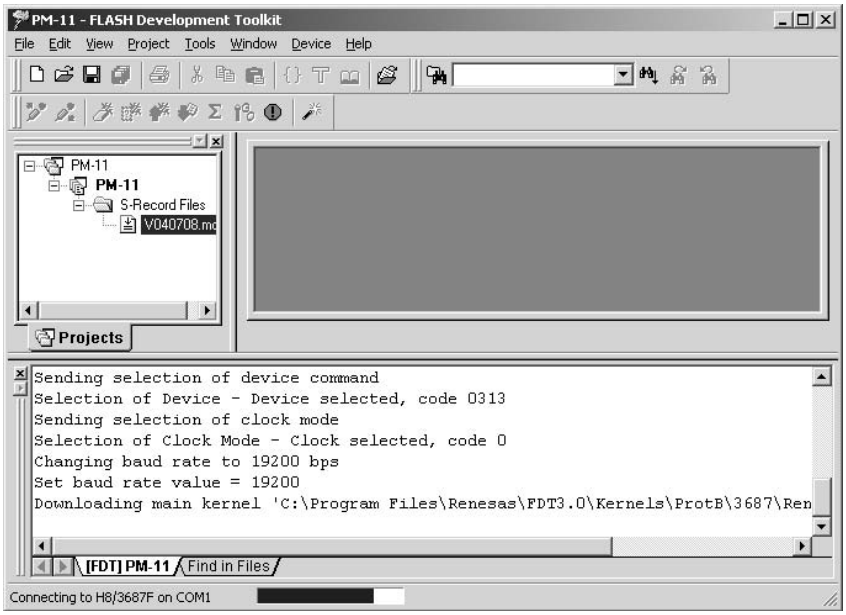
9. **POWER** ボタンを押し、Power On 状態にします。
(この状態より、書き込みモードですが、前面の LED 及び LCD 表示は消えます。)

10. 4 階層目にある V040708.mot のアイコン上で右クリックをして "**Download File**" をクリックします。



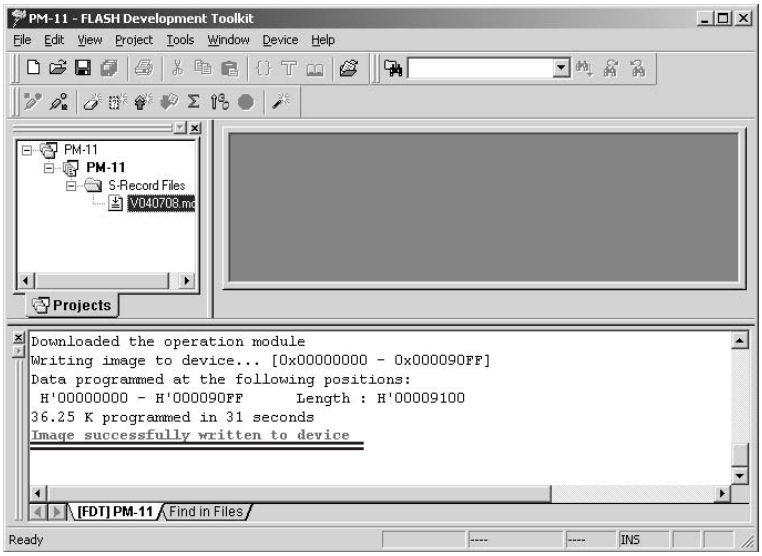
11. The screen becomes the uploading condition.
When writing is Finished, the below message appears on the screen.

11. 書き込みが始まると下のような画面が出て状態を表示します。
書き込みが終わると下のような画面が出ます。


PM-11 - FLASH Development Toolkit
File Edit View Project Tools Window Device Help
PM-11
PM-11
S-Record Files
Projects
Sending selection of device command
Selection of Device - Device selected, code 0313
Sending selection of clock mode
Selection of Clock Mode - Clock selected, code 0
Changing baud rate to 19200 bps
Set baud rate value = 19200
Downloading main kernel 'C:\Program Files\Renesas\FDT3.0\Kernels\ProtB\3687\Ren
[FDT] PM-11
Find in Files
Connecting to H8/3687F on COM1

12. The Main microprocessor (QU01) has been Update.

12. 以上で、書き込み作業は終了です。



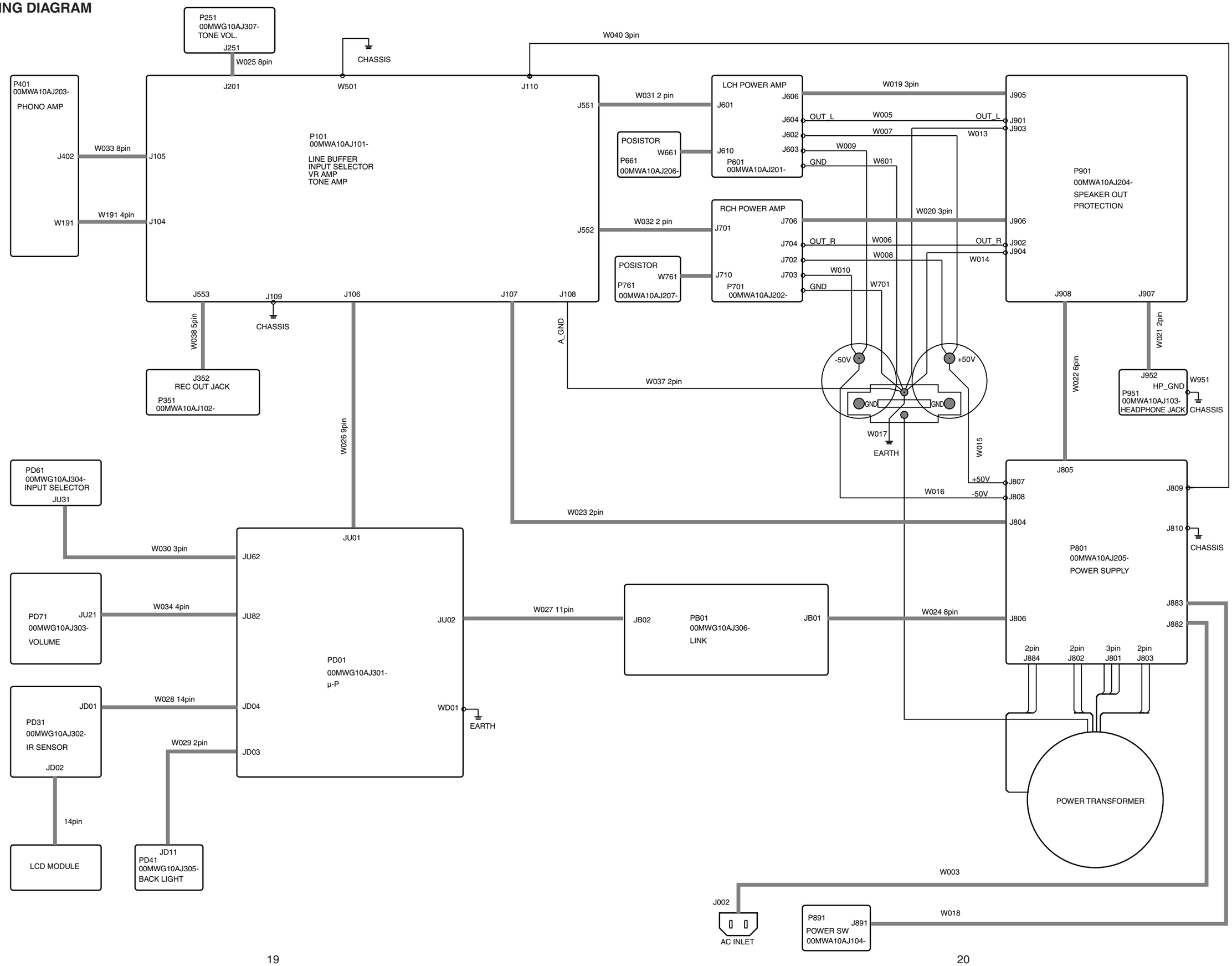
13. Turn off Power switch, then disconnect FFC cable from PM-15S1.

13. PM-15S1 の電源を切り、FFC ケーブルを外します。

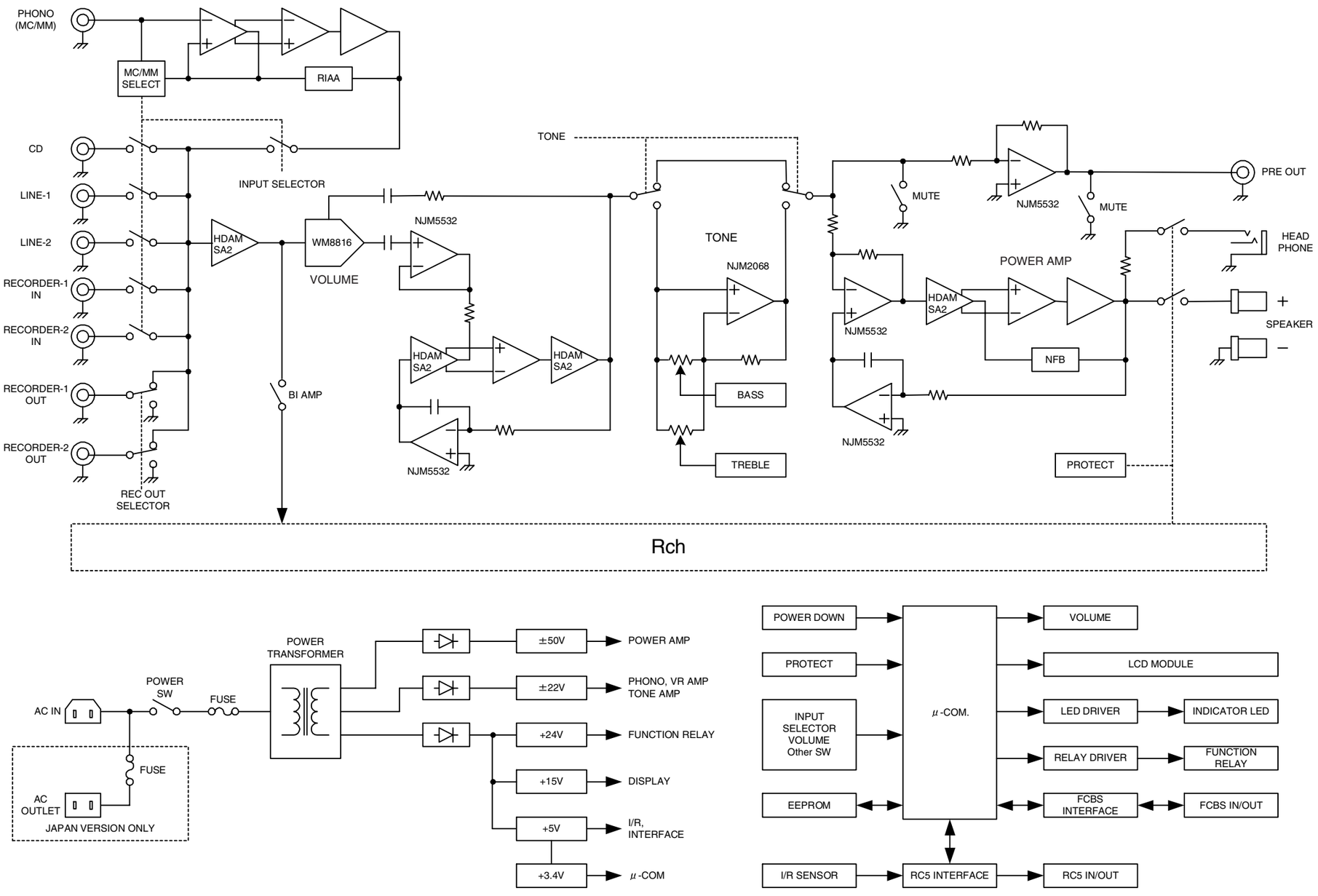
14. Check the version number of the firmware
Refer to "**4. SERVICE MODE**" on page 3.

14. VERSION の確認をします。
3 ページの "**4. SERVICE MODE**" で確認します。
書き込んだバージョンが正しければ書き換え完了です。

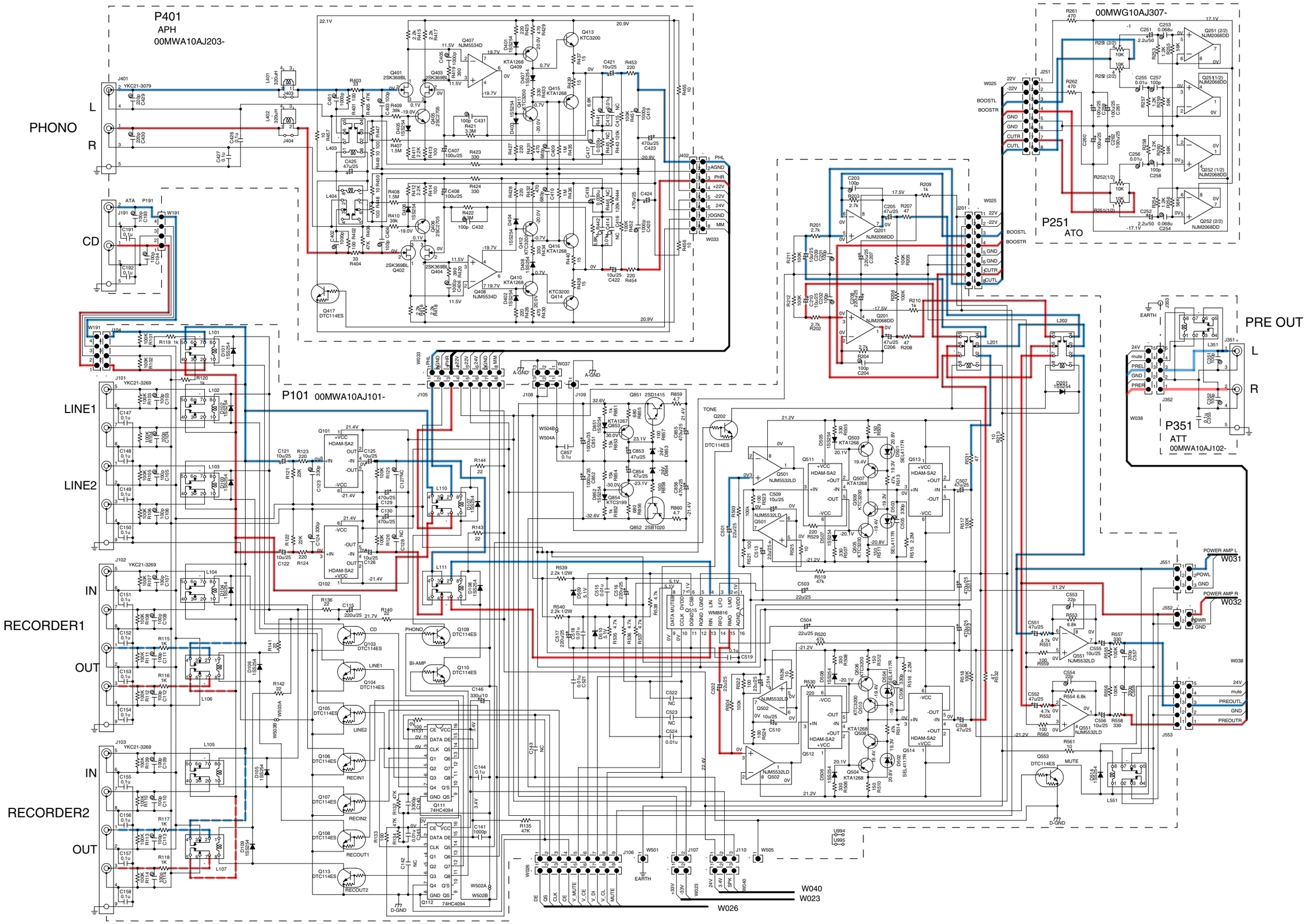
6. WIRING DIAGRAM

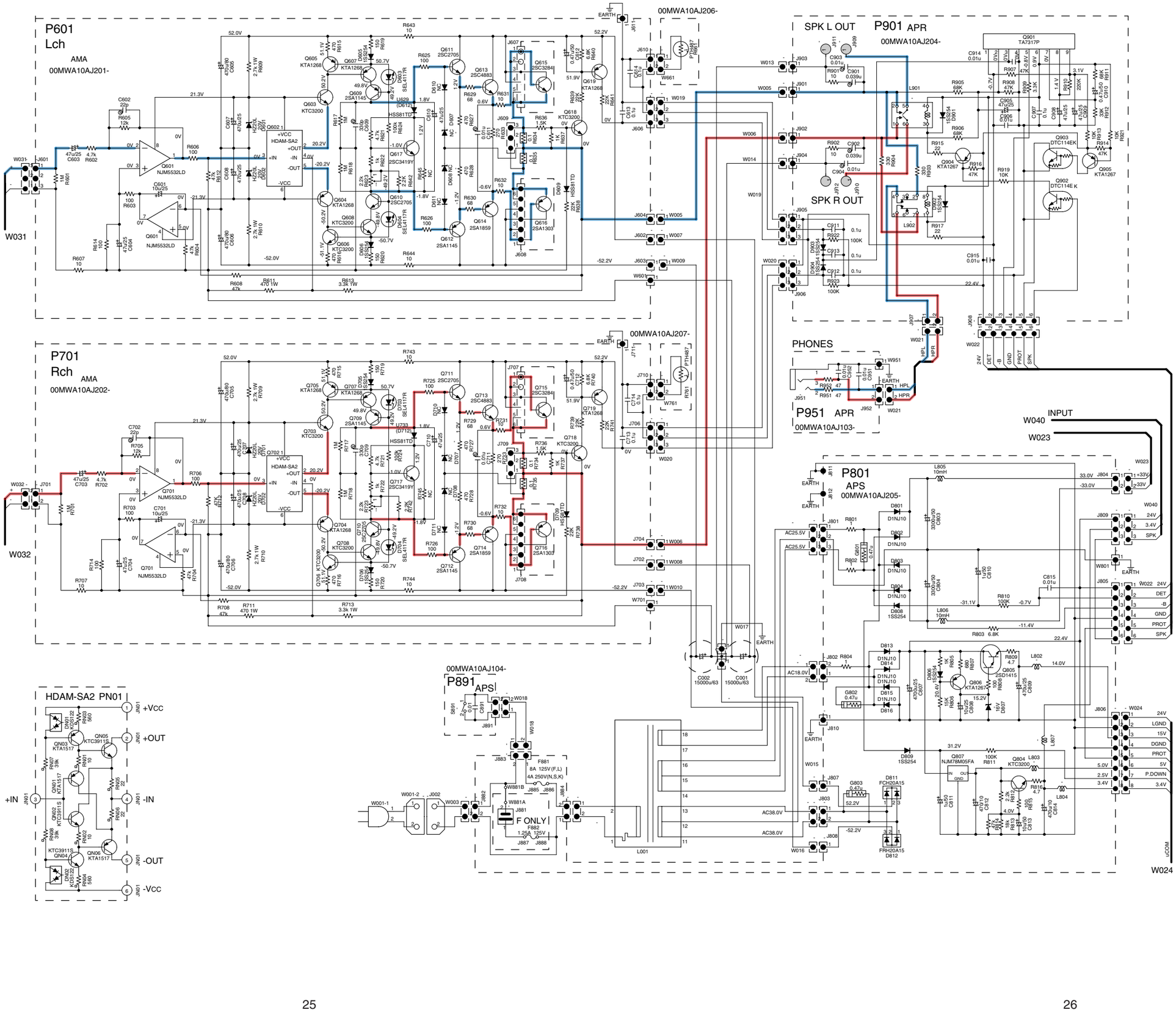


7. BLOCK DIAGRAM



8. SCHEMATIC DIAGRAM




P601
Lch
AMA
00MWA10AJ201-
00MWA10AJ206-
P701
Rch
AMA
00MWA10AJ202-
00MWA10AJ207-
SPK L OUT
P901 APR
00MWA10AJ204-
SPK R OUT
PHONES
P951 APR
00MWA10AJ103-
INPUT
W040
W023
P801
APS
00MWA10AJ205-
00MWA10AJ104-
P891 APS
HDAM-SA2 PN01
+Vcc
+OUT
-IN
-OUT
-Vcc
+IN
W031
W032
W024
F ONLY

PD01
APU
00MWG10AJ301-

PD71
00MWG10AJ303-
VOLUME

PD61
00MWG10AJ304-
INPUT SELECTOR

PD41
00MWG10AJ305-

PD81
00MWG10AJ308-

PD31
00MWG10AJ302-

PB01
ABS
00MWG10AJ306-

LCD MODULE
VD01

AD3	
ATT	3.4V
REC_OUT	2.7V
MC_ON	2.2V

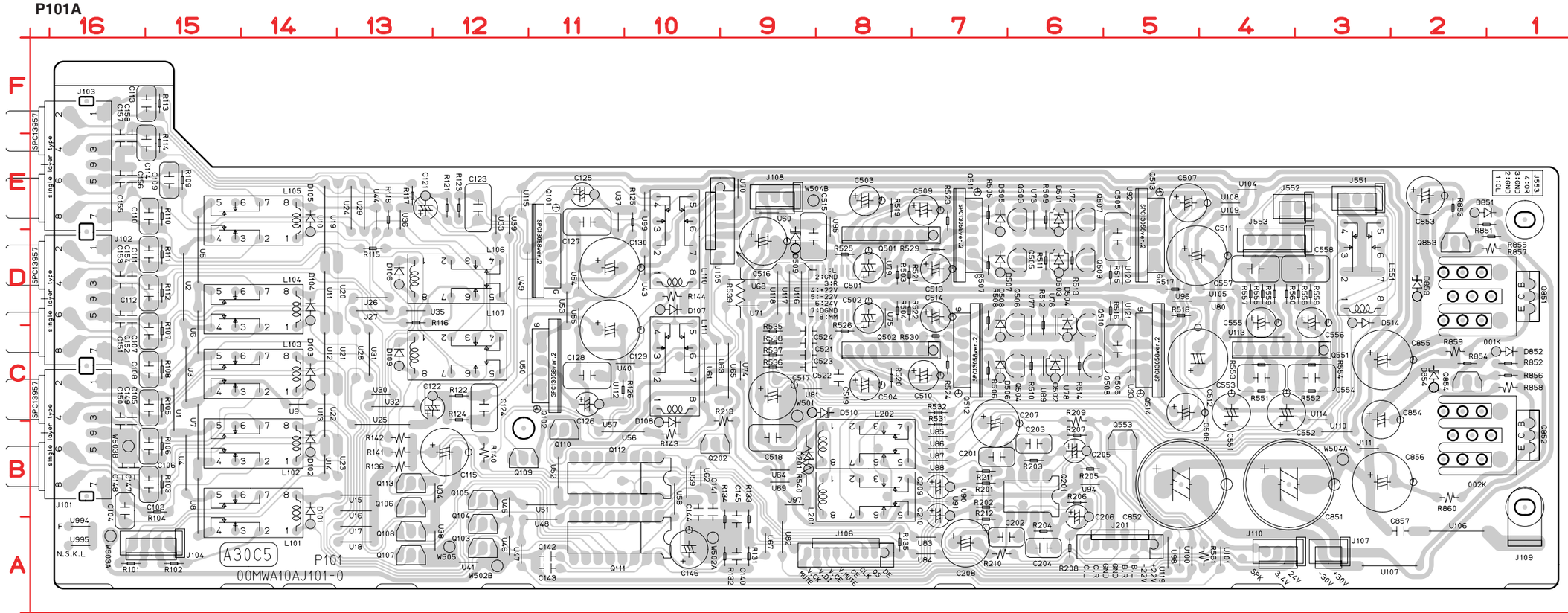
AD2	
DISPLAY	3.4V
TONE	2.7V
SPK	2.2V

00MWG10AJ309-

TO J106
TO J806
REMOTE CONT.
BI-AMP STEREO
F.C.B.S.
IN
OUT

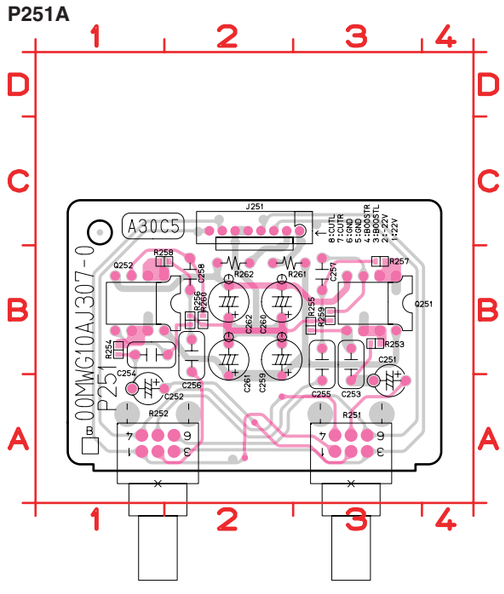
9. PARTS LOCATION

P101A



C103	B15	C201	B6	C852	B5	J551	E3	Q513	D5	R143	B10	R532	C7	U113	C4	U43	D10	U82	A9
C104	A16	C202	A6	C853	E2	J552	E3	Q514	C5	R144	D10	R535	C9	U114	C3	U44	D13	U83	A7
C105	C15	C203	B6	C854	C3	J553	D3	Q515	D8	R201	B7	R536	C9	U115	E12	U45	A12	U84	A7
C106	B15	C204	A6	C855	C3	L101	A14	Q551	C3	R202	B7	R537	C9	U116	D9	U46	A12	U85	B7
C107	C15	C205	B6	C856	B3	L102	B14	Q553	B5	R203	B6	R538	C9	U117	D9	U47	A12	U86	B7
C108	C15	C206	B6	C857	A2	L103	C14	Q851	D1	R204	A6	R539	D9	U118	D9	U48	A11	U87	B7
C109	E15	C207	B7	D101	A14	L104	C14	Q852	B1	R205	B6	R540	B9	U119	A5	U49	D12	U88	B7
C110	E15	C208	A7	D102	B14	L105	D14	Q853	D2	R206	B6	R551	C4	U12	C14	U5	D15	U89	C6
C111	D15	C209	B7	D103	C14	L106	D13	Q854	C2	R207	B6	R552	C3	U120	D5	U50	C12	U9	C14
C112	D15	C210	B7	D104	D14	L107	C13	R101	A16	R208	A6	R553	C4	U121	D5	U51	B11	U90	B7
C113	F15	C501	D8	D105	D14	L110	D10	R102	A15	R209	C6	R554	C3	U13	B14	U52	B11	U91	B7
C114	E15	C502	C8	D106	D13	L111	C10	R103	B15	R210	A6	R555	D4	U14	B14	U53	D11	U92	D5
C115	B13	C503	E8	D107	D10	L201	B8	R104	B15	R211	B7	R556	D3	U15	B13	U54	D11	U93	C5
C121	E13	C504	C8	D108	B10	L202	B8	R105	C15	R212	A7	R557	D4	U16	B13	U55	C11	U94	B6
C122	C13	C505	D5	D109	C13	L551	D3	R106	B15	R213	C9	R558	D3	U17	A13	U56	B10	U95	D8
C123	E12	C506	C5	D201	B9	Q101	D11	R107	C15	R503	D8	R559	D4	U18	A13	U57	C11	U96	D5
C124	C12	C507	E5	D501	E6	Q102	C11	R108	C15	R504	D8	R560	D4	U19	D13	U58	B10	U97	B9
C125	E11	C508	C5	D502	C6	Q103	A12	R109	E15	R505	E7	R561	A4	U2	D15	U59	B10	U98	A5
C126	C11	C509	E8	D503	D6	Q104	A12	R110	E15	R506	C7	R851	E1	U20	D13	U6	C15	U99	E10
C127	E11	C510	C8	D504	D6	Q105	B12	R111	D15	R507	D7	R852	C1	U21	C13	U60	E9	U994	A16
C128	C11	C511	D5	D505	D7	Q106	B13	R112	D15	R508	C7	R853	E2	U22	B13	U61	C10	U995	A16
C129	C11	C512	C5	D506	C7	Q107	A13	R113	F15	R509	D6	R854	C2	U23	B13	U62	B10	W501	C9
C130	D11	C513	D7	D507	D7	Q108	A13	R114	E15	R510	C6	R855	D1	U24	D13	U63	C10	W502	A10
C140	A9	C514	D7	D508	C7	Q109	B12	R115	D13	R511	D6	R856	C1	U25	B13	U64	B9	W502	A12
C141	A10	C515	D9	D509	D9	Q110	B11	R116	D13	R512	C6	R857	D1	U26	D13	U65	C9	W503	A16
C142	A11	C516	D9	D510	C9	Q111	A10	R117	E13	R513	D6	R858	C1	U27	D13	U67	A9	W503	B16
C143	A11	C517	C9	D514	D3	Q112	B10	R118	D13	R514	C6	R859	C2	U28	C13	U68	D9	W504	B3
C144	A10	C518	B9	D851	E2	Q113	B13	R121	E12	R515	D5	R860	B2	U29	D13	U69	B9	W504	E9
C145	A9	C519	C8	D852	C1	Q201	B6	R122	C12	R516	D5	U1	B15	U3	C15	U7	B15	W505	A12
C146	A10	C521	C8	D853	D2	Q202	B10	R123	E12	R517	D5	U10	D14	U30	C13	U70	E9		
C147	B16	C522	C8	D854	C2	Q501	D7	R124	C12	R518	D5	U100	A5	U31	C13	U71	D9		
C148	B16	C523	C8	J101	B17	Q502	C7	R125	D10	R519	E8	U101	A4	U32	C13	U72	D6		
C149	B16	C524	C8	J102	D17	Q503	E6	R126	C11	R520	C8	U104	E4	U33	D12	U73	D6		
C150	B16	C551	B4	J103	E17	Q504	C6	R131	A9	R521	D8	U105	D4	U34	B12	U74	C9		
C151	C16	C552	B4	J104	A15	Q505	D6	R132	A9	R522	D8	U106	A2	U35	D13	U75	C8		
C152	C16	C553	C4	J105	E10	Q506	D6	R133	A9	R523	D7	U107	A2	U36	D13	U76	C6		
C153	D16	C554	C3	J106	A8	Q507	E6	R134	A9	R524	C7	U108	E4	U37	D11	U77	C6		
C154	D16	C555	D4	J107	A3	Q508	C6	R135	A8	R525	D8	U109	E4	U38	A12	U78	C6		
C155	E16	C556	D3	J108	E9	Q509	D6	R136	B13	R526	C8	U11	D14	U39	D12	U79	D8		
C156	E16	C557	D4	J109	B1	Q510	D6	R140	B12	R529	D7	U110	B3	U4	B15	U8	A15		
C157	E16	C558	D3	J110	A4	Q511	D7	R141	B13	R530	C7	U111	B3	U40	C10	U80	D4		
C158	E16	C851	B4	J201	A5	Q512	C7	R142	B13	R531	B7	U112	C11	U41	A12	U81	C8		

P251A

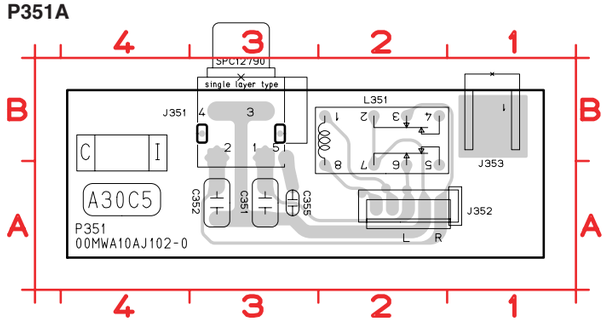


C251	A3	C252	A2	C253	A3	C254	B1	C255	A3	C256	B2	C257	B3	C258	B2	C259	A2	C260	B2
C261	A2	C262	B2	J251	C3	Q251	B3	Q252	B2	R251	A3	R252	A1	R253	B3	R254	B1	R255	B3
R256	B2	R257	B3	R258	B2	R259	B3	R260	B2	R261	B2	R262	B2						

鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

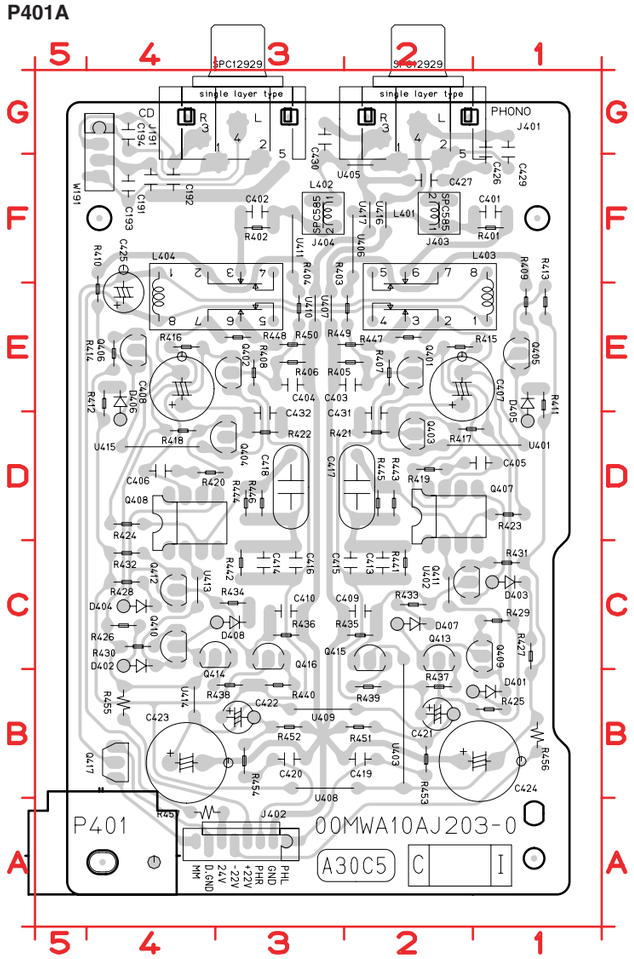
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

P351A



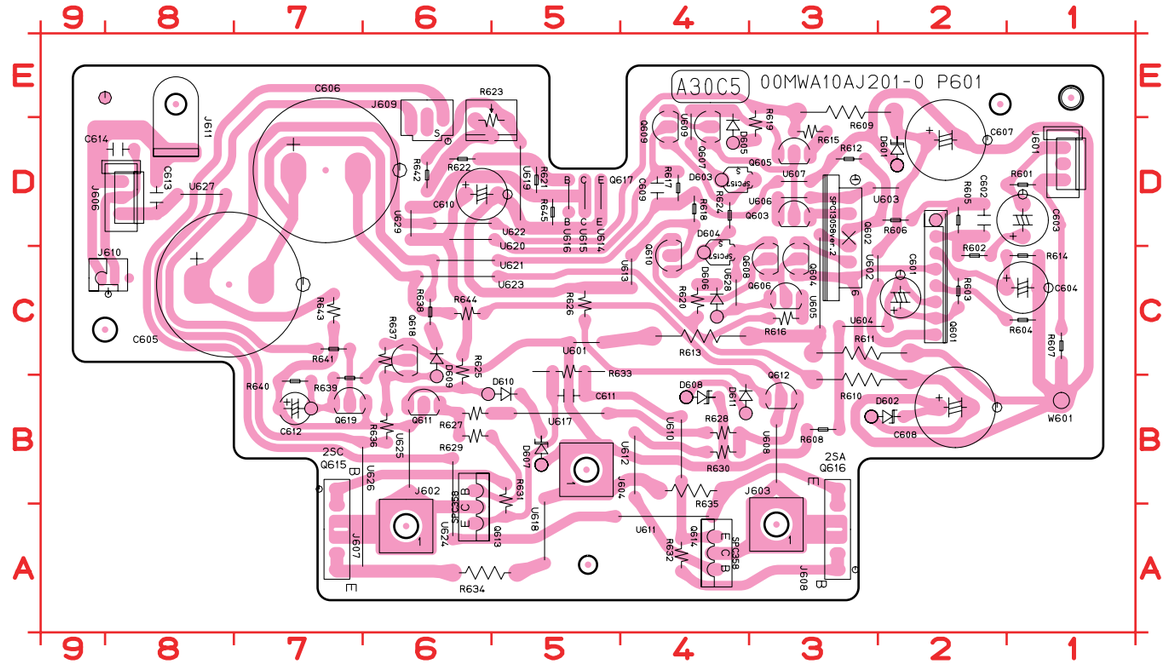
C351 A3
C352 A3
C355 A3
J351 B3
J352 A2
J353 B1
L351 B2

P401A



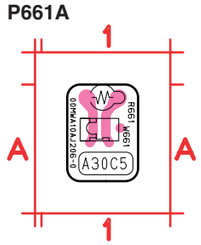
C191 F4
C192 F4
C193 F4
C194 G4
C401 F1
C402 F3
C403 E2
C404 E3
C405 D1
C406 D4
C407 E2
C408 E4
C409 C2
C410 C3
C413 C2
C414 C3
C415 C2
C416 C3
C417 D2
C418 D3
C419 B2
C420 B3
C421 B2
C422 B3
C423 B4
C424 B2
C425 E4
C426 F1
C427 F2
C429 F1
C430 F3
C431 D2
C432 D3
D401 B2
D402 C4
D403 C1
D404 C4
D405 D1
D406 D4
D407 C2
D408 C3
J191 G3
J401 G2
J402 A3
J403 F2
J404 F3
L401 F2
L402 F3
L403 E1
L404 F4
Q401 E2
Q402 E3
Q403 D2
Q404 D3
Q405 E1
Q406 E4
Q407 D2
Q408 D4
Q409 C1
Q410 C4
Q411 C2
Q412 C4
Q413 C2
Q414 C4
Q415 C2
Q416 C3
Q417 B4
R401 F1
R402 F3
R403 E2
R404 E3
R405 E2
R406 E3
R407 E2
R408 E3
R409 E1
R410 E4
R411 D1
R412 D4
R413 E1
R414 E4
R415 E1
R416 E4
R417 D1
R418 D4
R419 D2
R420 D3
R421 D2
R422 D3
R423 D1
R424 D4
R425 B1
R426 C4
R427 B1
R428 C4
R429 C1
R430 C4
R431 C1
R432 C4
R433 C2
R434 C3
R435 C2
R436 C3
R437 B2
R438 B3
R439 B2
R440 B3
R441 C2
R442 C3
R443 D2
R444 D3
R445 D2
R446 D3
R447 E2
R448 E3
R449 E2
R450 E3
R451 B2
R452 B3
R453 B2
R454 B3
R455 B4
R456 B1
R457 A3
U401 D1
U402 C2
U403 B2
U405 F2
U406 F2
U407 E3
U408 B2
U409 B2
U410 E3
U411 F3
U413 C4
U414 B4
U415 D4
U416 F2
U417 F2
W191 G4

P601A



C601 C2
C602 D2
C603 D1
C604 C2
C605 C8
C606 D7
C607 D2
C608 B2
C609 D4
C610 D6
C611 B5
C612 B7
C613 D8
C614 D8
D601 D2
D602 B3
D603 D4
D604 C4
D605 D4
D606 C4
D607 B5
D608 B4
D609 B6
D610 B6
D611 B4
J601 D1
J602 A6
J603 A3
J604 B5
J606 D8
J607 B7
J608 A3
J609 D6
J610 C9
J611 E8
Q601 D2
Q602 D3
Q603 D3
Q604 C3
Q605 D3
Q606 C3
Q607 D4
Q608 C3
Q609 D4
Q610 C4
Q611 B6
Q612 B3
Q613 A6
Q614 A4
Q617 D5
Q618 C6
Q619 B7
R601 D1
R602 C2
R603 C2
R604 C1
R605 D2
R606 D2
R607 C1
R608 B3
R609 E2
R610 B2
R611 C2
R612 D3
R613 C4
R614 C1
R615 D3
R616 C3
R617 D4
R618 D4
R619 D3
R620 C4
R621 D5
R622 D6
R623 D6
R624 D4
R625 B6
R626 C5
R627 B6
R628 B4
R629 B6
R630 B4
R631 A5
R632 A4
R633 C5
R634 A5
R635 B4
R636 B6
R637 B6
R638 C6
R639 B6
R640 B7
R641 C7
R642 D6
R643 C7
R644 C6
R645 D5
U601 C5
U602 C3
U603 D2
U604 C2
U605 C3
U606 D3
U607 D3
U608 B3
U609 D4
U610 B4
U611 A4
U612 B4
U613 C4
U614 D5
U615 D5
U616 D5
U617 B5
U618 A5
U619 D5
U620 D5
U621 C5
U622 D5
U623 C5
U624 A6
U625 B6
U626 A7
U627 D8
U628 C4
U629 D6
W601 B1

P661A

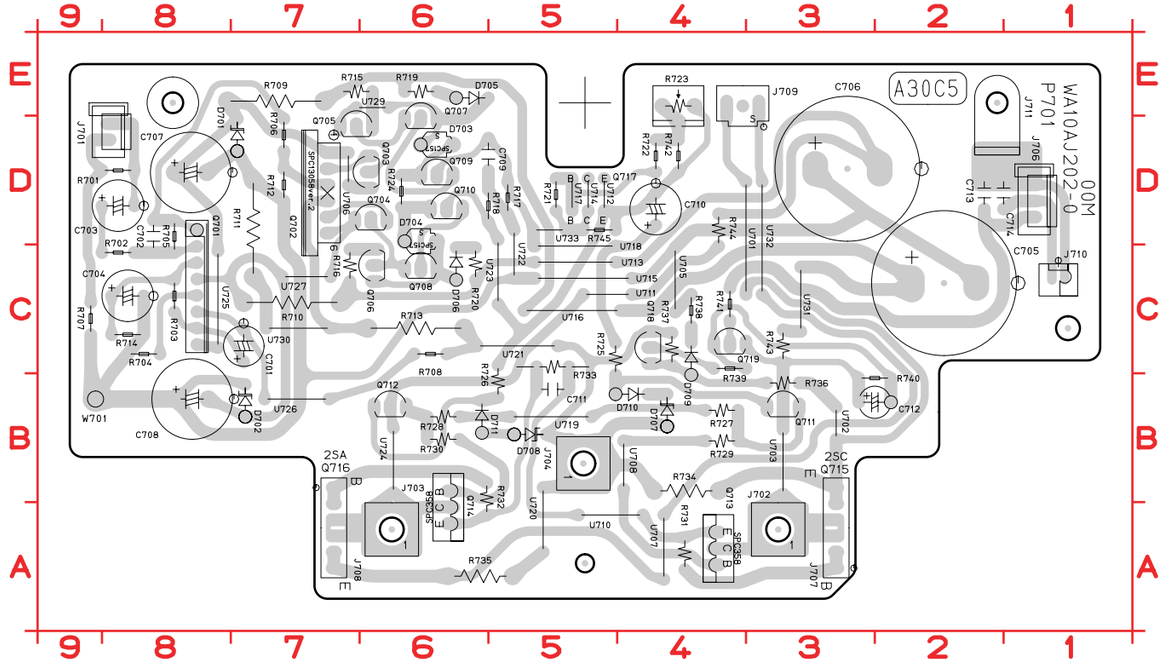


R661 A1
W661 A1

鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

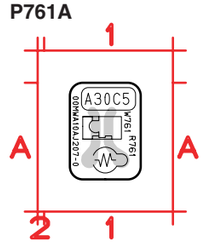
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

P701A



C701 C7
C702 C8
C703 D9
C704 C8
C705 C2
C706 D3
C707 D8
C708 B8
C709 D6
C710 D4
C711 B5
C712 B3
C713 D2
C714 D2
D701 D7
D702 B7
D703 D6
D704 D6
D705 E6
D706 C6
D707 B4
D708 B5
D709 B4
D710 B5
D711 B6
J701 D8
J702 A3
J703 A6
J704 B5
J706 D1
J707 A3
J708 B7
J709 E3
J710 C1
J711 E2
Q701 D8
Q702 D7
Q703 D6
Q704 D6
Q705 D7
Q706 C6
Q707 D6
Q708 C6
Q709 D6
Q710 D6
Q711 B3
Q712 B6
Q713 A4
Q714 A6
Q717 D5
Q718 C4
Q719 C4
R701 D8
R702 C8
R703 C8
R704 C8
R705 C8
R706 D7
R707 C9
R708 C6
R709 E7
R710 C7
R711 C7
R712 D7
R713 C6
R714 C8
R715 E6
R716 C7
R717 D5
R718 D6
R719 E6
R720 C6
R721 D5
R722 D4
R723 D4
R724 D6
R725 B5
R726 B5
R727 B4
R728 B6
R729 B4
R730 B6
R731 A4
R732 A6
R733 C5
R734 B4
R735 A5
R736 B3
R737 C4
R738 C4
R739 C4
R740 B2
R741 C4
R742 D4
R743 C3
R744 C4
R745 D5
U701 C4
U702 B3
U703 B3
U705 C4
U706 D7
U707 A4
U708 B4
U710 A4
U711 C4
U712 D5
U713 C5
U714 D5
U715 C4
U716 C4
U717 D5
U718 C5
U719 B5
U720 A5
U721 C5
U722 C5
U723 C5
U724 B6
U725 C8
U726 B7
U727 C7
U729 E6
U730 C7
U731 C3
U732 C3
U733 D5
W701 B9

P761A

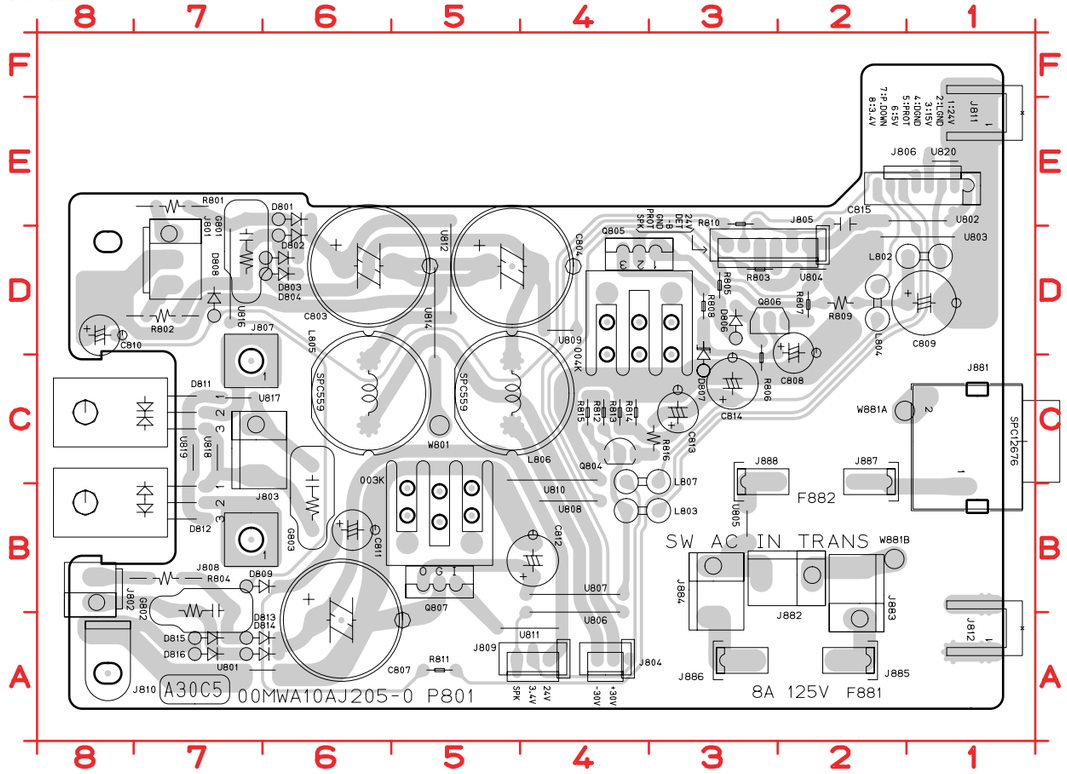


R761 A1
W761 A1

鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

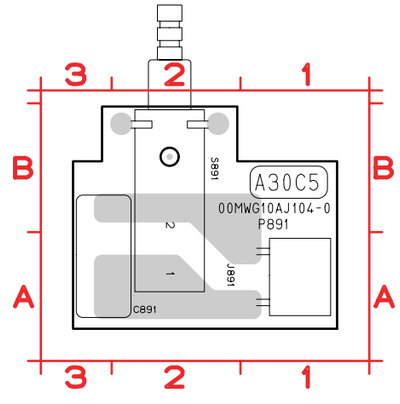
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

P801A



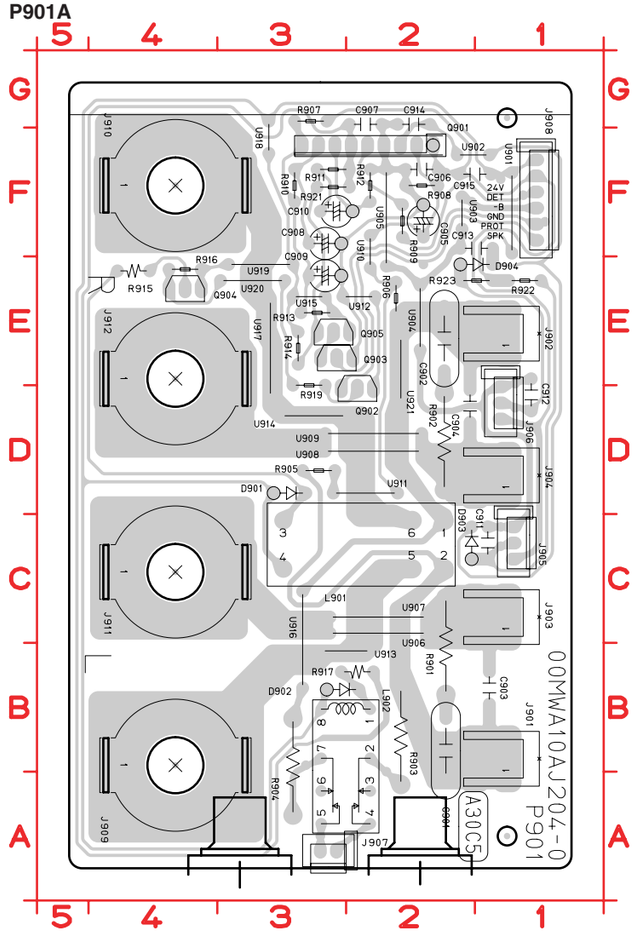
C901 A2
C902 E2
C903 B1
C904 D2
C905 F2
C906 F2
C907 G2
C908 F3
C909 E3
C910 F3
C911 C1
C912 D1
C913 F1
C914 G2
C915 F1
D901 D3
D902 B3
D903 C2
D904 E2
J901 B1
J902 E1
J903 C1
J904 D1
J905 C1
J906 D1
J907 A3
J908 F1
J909 B4
J910 F4
J911 C4
J912 E4
L901 C3
L902 B2
Q901 F2
Q902 D2
Q903 E3
Q904 E4
Q905 E3
R901 B2
R902 D2
R903 A2
R904 A3
R905 D3
R906 E2
R907 G3
R908 F2
R909 F2
R910 F3
R911 F2
R912 F2
R913 E3
R914 E3
R915 E4
R916 E4
R917 B2
R919 E3
R921 F2
R922 E1
R923 E1
U901 F1
U902 F1
U903 F2
U904 E2
U905 E2
U906 C2
U907 C2
U908 D2
U909 D2
U910 E2
U911 D2
U912 E2
U913 B2
U914 D3
U915 E3
U916 B3
U917 D3
U918 F3
U919 E3
U920 E3
U921 D2

P891A



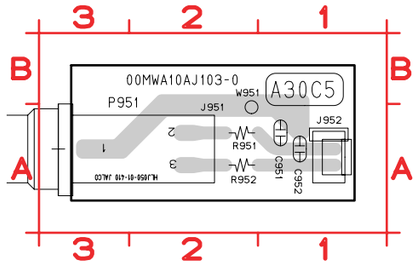
C891 A3
J891 A1
S891 B2

P901A



C901	A2	R911	F2
C902	E2	R912	F2
C903	B1	R913	E3
C904	D2	R914	E3
C905	F2	R915	E4
C906	F2	R916	E4
C907	G2	R917	B2
C908	F3	R919	E3
C909	E3	R921	F2
C910	F3	R922	E1
C911	C1	R923	E1
C912	D1	U901	F1
C913	F1	U902	F1
C914	G2	U903	F2
C915	F1	U904	E2
D901	D3	U905	E2
D902	B3	U906	C2
D903	C2	U907	C2
D904	E2	U908	D2
J901	B1	U909	D2
J902	E1	U910	E2
J903	C1	U911	D2
J904	D1	U912	E2
J905	C1	U913	B2
J906	D1	U914	D3
J907	A3	U915	E3
J908	F1	U916	B3
J909	B4	U917	D3
J910	F4	U918	F3
J911	C4	U919	E3
J912	E4	U920	E3
L901	C3	U921	D2
L902	B2		
Q901	F2		
Q902	D2		
Q903	E3		
Q904	E4		
Q905	E3		
R901	B2		
R902	D2		
R903	A2		
R904	A3		
R905	D3		
R906	E2		
R907	G3		
R908	F2		
R909	F2		
R910	F3		

P951A

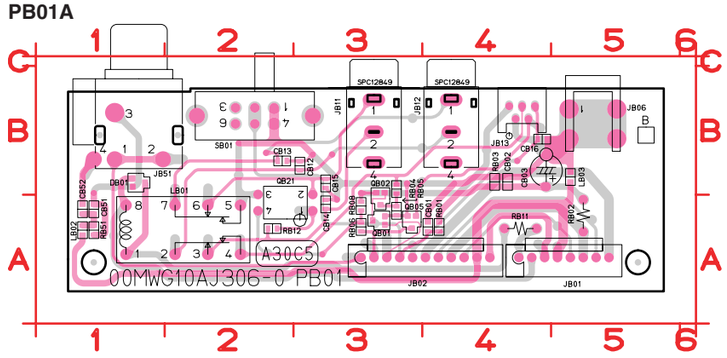


C951	A1
C952	A1
J951	A3
J952	A1
R951	A2
R952	A2
W951	A2

鉛フリー半田
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

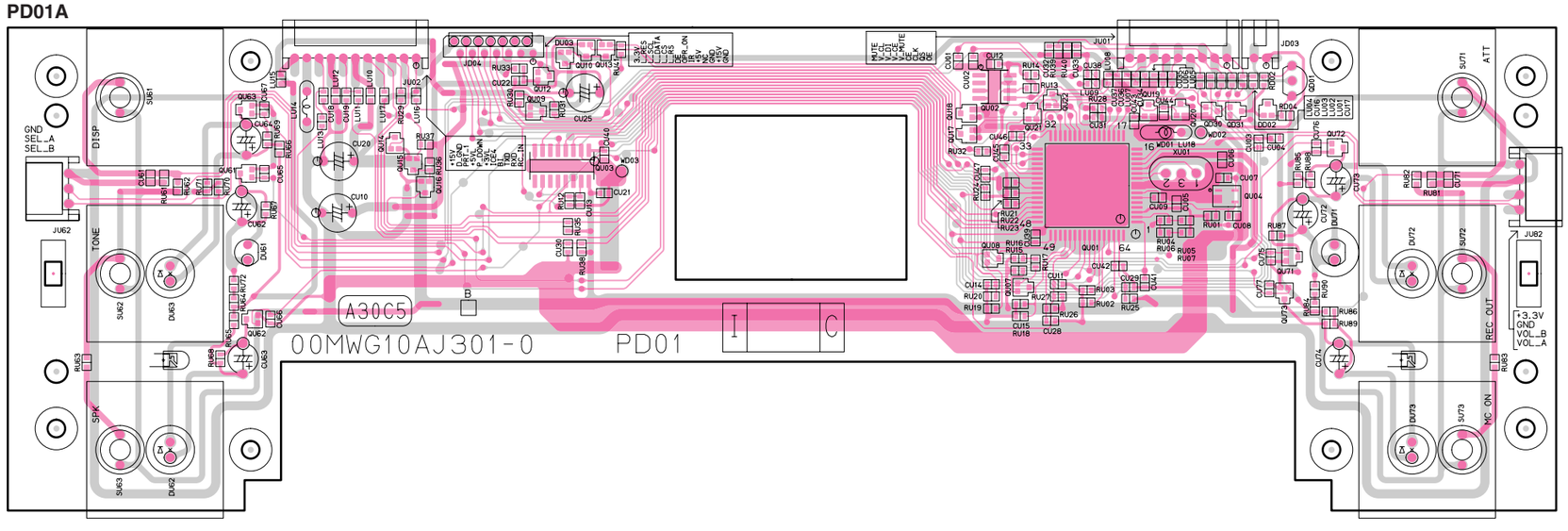
Lead-free Solder
When soldering, use the Lead-free Solder (Sn-Ag-Cu).

PB01A



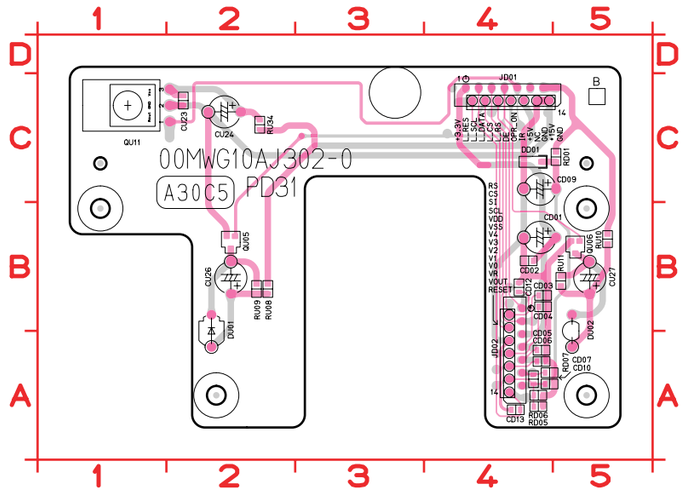
CB01	A4	LB01	A1
CB02	B4	LB02	A1
CB03	B4	LB03	B5
CB12	B3	QB01	A3
CB13	B2	QB02	A3
CB14	A3	QB05	A3
CB15	B3	QB21	B3
CB16	B4	RB01	A4
CB51	A1	RB02	A5
CB52	A1	RB03	B4
DB01	B1	RB04	B3
JB01	A4	RB05	A3
JB02	A3	RB06	A3
JB06	B5	RB08	A3
JB11	C3	RB11	A4
JB12	C4	RB12	A2
JB13	B4	RB51	A1
JB51	B1	SB01	B2

PD01A



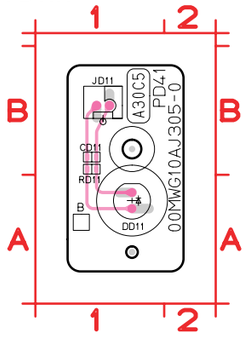
CU01	D9	CU43	D10	LU06	D10	QU71	C11	RU39	E9
CU02	D9	CU44	D10	LU07	D10	QU72	D12	RU40	E9
CU03	D11	CU45	D9	LU08	D10	QU73	C11	RU41	E6
CU04	D11	CU46	D9	LU09	D10	RD02	D11	RU61	C2
CU05	C10	CU47	D9	LU10	D4	RD04	D11	RU62	C2
CU06	D11	CU61	C2	LU11	D4	RU01	C11	RU63	B1
CU07	C11	CU62	C3	LU12	D3	RU02	B10	RU64	B3
CU08	C11	CU63	B3	LU13	D3	RU03	C10	RU65	B3
CU09	C10	CU64	D3	LU14	D3	RU04	C10	RU66	D3
CU10	C4	CU65	D3	LU15	D3	RU05	C10	RU67	C3
CU11	C9	CU66	B3	LU16	D4	RU06	C10	RU68	B3
CU12	D9	CU67	D3	LU17	D4	RU07	C10	RU69	D3
CU13	C5	CU71	C13	LU18	D10	RU12	C5	RU70	C2
CU14	C9	CU72	C11	QD01	D11	RU13	D9	RU71	C2
CU15	B9	CU73	C12	QD30	D11	RU14	D9	RU72	C3
CU16	D11	CU74	B12	QD31	D11	RU15	C9	RU81	C12
CU17	D11	CU75	C11	QU01	C10	RU16	C9	RU82	C12
CU18	D3	CU76	D12	QU02	D9	RU17	C9	RU83	B13
CU19	D4	CU77	C11	QU03	D5	RU18	B9	RU84	B12
CU20	D4	DD02	D11	QU04	C11	RU19	B9	RU85	C11
CU21	C6	DU03	D5	QU07	C9	RU20	C9	RU86	B12
CU22	D5	DU61	C3	QU08	C9	RU21	C9	RU87	C11
CU25	D6	DU62	A2	QU09	D5	RU22	C9	RU88	C11
CU28	B9	DU63	C2	QU10	E6	RU23	C9	RU89	B12
CU29	C10	DU71	C12	QU12	D5	RU24	C9	RU90	C12
CU30	C5	DU72	C12	QU13	E6	RU25	B10	SU61	D2
CU31	D10	DU73	A12	QU14	D4	RU26	B9	SU62	C2
CU32	E9	JD03	D11	QU15	D4	RU27	C9	SU63	A2
CU33	E10	JD04	E5	QU16	C4	RU28	D10	SU71	D13
CU34	D10	JU01	D11	QU17	D9	RU29	D4	SU72	C13
CU35	D10	JU02	D4	QU18	D9	RU30	D5	SU73	A13
CU36	D10	JU62	C1	QU19	D10	RU31	D5	WD01	D10
CU37	D10	JU82	D13	QU20	D10	RU32	D9	WD02	D11
CU38	D10	LU01	D11	QU21	D9	RU33	D5	WD03	D6
CU39	C9	LU02	D11	QU22	D9	RU35	C5	XU01	D10
CU40	D6	LU03	D11	QU61	D3	RU36	D4		
CU41	C10	LU04	D11	QU62	B3	RU37	D4		
CU42	C10	LU05	D10	QU63	D3	RU38	C5		

PD31A



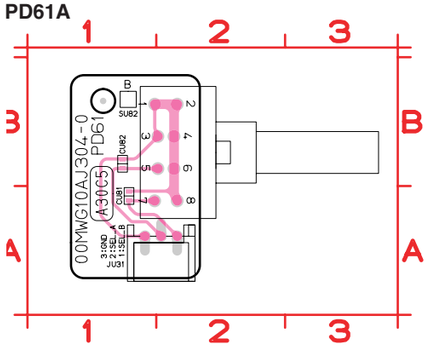
CD01	B5	DU01	B2
CD02	B4	DU02	B5
CD03	B4	JD01	C4
CD04	B4	JD02	B4
CD05	A4	QU05	B2
CD06	A4	QU06	B5
CD07	A4	QU11	C1
CD09	C5	RD01	C5
CD10	A4	RD05	A4
CD12	B4	RD06	A4
CD13	A4	RD07	A4
CU23	C2	RU08	B2
CU24	C2	RU09	B2
CU26	B2	RU10	B5
CU27	B5	RU11	B5
DD01	C4	RU34	C2

PD41A



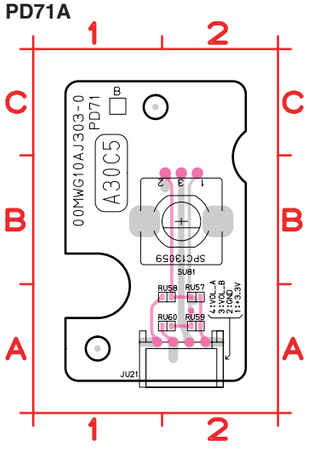
CD11	B1		
DD11	A1		
JD11	B1		
RD11	B1		

PD61A



CU81	A1		
CU82	B1		
JU31	A2		
SU82	B2		

PD71A



JU21	A2		
RU57	A2		
RU58	A2		
RU59	A2		
RU60	A2		
SU81	B2		

鉛フリー半田

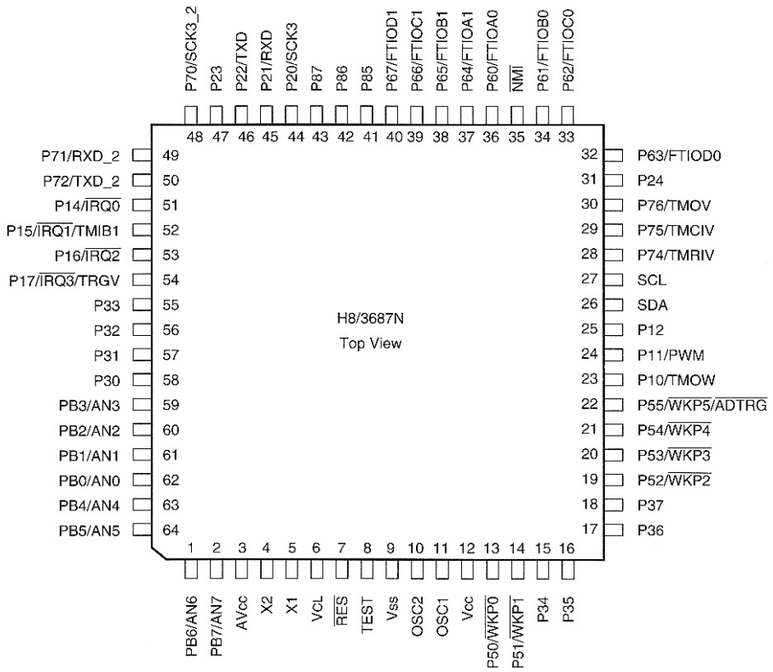
半田付けには、鉛フリー半田 (Sn-Ag-Cu) を使用してください。

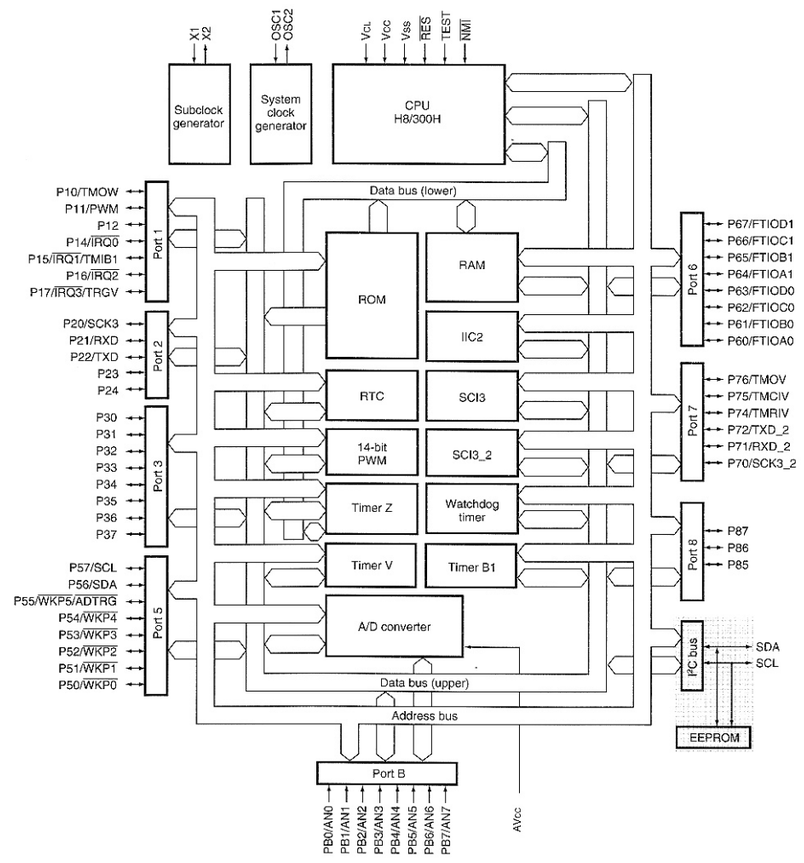
Lead-free Solder

When soldering, use the Lead-free Solder (Sn-Ag-Cu).

10. IC DATA

PD01 / QU01 : H8/3687

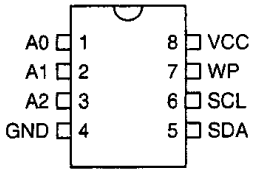


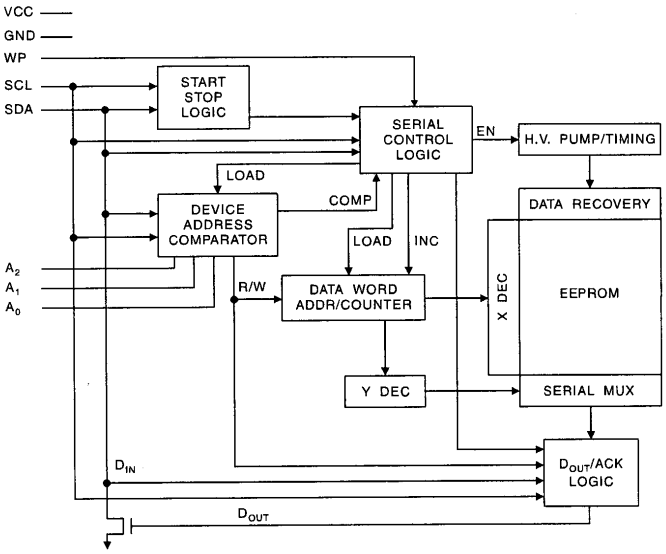


PD01 / QU01 : H8/3687

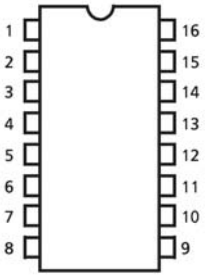
Pin	PORT	SIGNAL NAME	I/O	Functions	Description
1	PB6_AN6	AD2	I	Left key A/D pin	
2	PB7_AN7	AD1	I	Model select	H: PM-15A
3	AVcc	AVCC	I	Analog power supply	
4	X2	X2	O	Sub clock output	NC
5	X1	X1	I	Sub clock input	NC
6	VCL	VCI	I	Internal step-down power supply	
7	/RES	RES	I	Reset pin	
8	TEST	TEST	I	Test pin	Connect to GND
9	Vss	GND	I	GND	
10	OSC2	OSC2	O	Main clock output	
11	OSC1	OSC1	I	Main clock input	8MHz
12	Vcc	VCC	I	+3.4V Power supply	
13	P50_/WKP0	VOLA	I	Volume A	External trigger(Active H)
14	P51_/WKP1	VOLB	I	Volume B	External trigger(Active H)
15	P34	Rsv_1	-	-	NC
16	P35	Rsv_2	-	-	NC
17	P36	Rsv_3	-	-	NC
18	P37	Rsv_4	-	-	NC
19	P52_/WKP2	SEL_A	I	Input selector A	External trigger(Active H)
20	P53_/WKP3	SEL_B	I	Input selector B	External trigger(Active H)
21	P54_/WKP4	MUTE_D	O	MUTE relay ON/OFF	Active L(MUTE ON)
22	P55_/WKP5_/ADTRG	AD_INT	I	No use (Pull up)	
23	P10_TMOW	MUTE_VOL	O	WM8816 MUTE	Active H (MUTE ON)
24	P11_PWM	Rsv_5	-	-	NC
25	P12	Rsv_6	-	-	NC
26	P56_SDA	SDA	I/O	AT24C08 serial data	I2C_DATA
27	P57_SCL	SCL	O	AT24C08 clock	I2C_CLOCK
28	P74_TMRIV	VOL_CS	O	WM8816 chip select	
29	P75_TMCIV	Rsv_7	-	-	NC
30	P76_TMOV	KILL_IR	O	IR sensor ON/OFF	Active L(SENSOR off)
31	P24	RC_OUT	O	IR capture output	
32	P63_FTIOD0	L_DATA	O	LCD data out	
33	P62_FTIOC0	BL_ON	O	LCD back light ON/OFF	H/L = ON/OFF
34	P61_FTIOB0	OPR_ON	O	Operate LED ON	H/L = ID0,ID1/ID2,ID3
35	/NMI	ICE4	I	ICE connect pin4	ICE brake control
36	P60_FTIOA0	NC_1	-	-	NC
37	P64_FTIOA1	RC_IN	I	IR capture input	IR capture input(Active L)
38	P65_FTIOB1	VOL_CLK	O	WM8816 clock	
39	P66_FTIOC1	VOL_DAT	I/O	WM8816 serial data	
40	P67_FTIOD1	NC_2	-	-	
41	P85	ICE1	-	ICE connect pin1	
42	P86	ICE2	-	ICE connect pin2	
43	P87	ICE3	-	ICE connect pin3	
44	P20_SCK3	S_OE	O	74HC4094 output enable	Active H
45	P21_RXD	RXD	I	System bus serial data input	
46	P22_TXD	TXD	O	System bus serial data output	
47	P23	BI	I	BI-AMP/Stereo select	H/L = STEREO/BI_AMP
48	P70_SCK3-2	S_CLK	O	74HC4094 clock	
49	P71_RXD-2	S_CE	O	74HC4094 chip select	Active L
50	P72_TXD-2	S_DATA	O	74HC4094 serial data output	
51	P14_/IRQ0	Rsv_8	-		NC
52	P15_/IRQ1_TMIB1	P_DOWN	I	Power down detect	External trigger(Active H)
53	P16_/IRQ2	PROT_2	I	Power supply error detect	Active L(POW_OFF)
54	P17_/IRQ3_TRGV	PROT_1	I	DC/over current/Temp detect	Active H(VOL -∞)
55	P33	L_CS	O	LCD-Controler(SPLC093C) chip select	Active L
56	P32	L_SCL	O	LCD-Controler(SPLC093C) Serial cloc out	
57	P31	L_RS	O	LCD-Controler(SPLC093C) register setting	H/L = Data/Instruction
58	P30	L_RES	O	LCD-Controler(SPLC093C) reset	Active L(Reset)
59	PB3_AN3	TEST_1	I	PCB mode setting 1	Port check 1
60	PB2_AN2	TEST_2	I	PCB mode setting 2	Port check 2
61	PB1_AN1	D-SET	I	LCD-Controler(SPLC093C) mode setting	H/L 100msec, each time
62	PB0_AN0	AD3	I	Right key A/D pin	
63	PB4_AN4	HP_DET	I	Head phone jack detect	Active L(Head phone jack detect)
64	PB5_AN5	NC_3	-	-	NC

PD01 / QU02 : AT24C08





PD01 / QU04 : 74HC4094
P101 / Q121, Q122 : 74HC4094



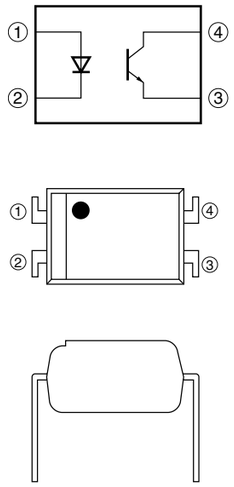
Q121 74HC4094

Port		I/O	Name	Function	Description
1	CE	IN	STOROBE		
2	DATA	IN	DATA		
3	CLK	IN	CLOCK		
4	Q1	OUT	LINE_2	Line_2 input relay ON	Active H
5	Q2	OUT	REC_1	Recorder_1input relay ON	Active H
6	Q3	OUT	REC_2	Recorder_2 input relay ON	Active H
7	Q4	OUT	BI-AMP	Bi-amp relay ON	Active H
8	GND		GND		
9	QS	OUT	-	-	-
10	Q'S	OUT	-		
11	Q8	OUT	LINE_1	Line_1 input relay ON	Active H
12	Q7	OUT	CD	CD input relay ON	Active H
13	Q6	OUT	BAL	Balanced input relay ON	Active H
14	Q5	OUT	PHONO	Phono input relay ON	Active H
15	OE	IN	OUTOUT ENABLE		
16	VCC		VCC		

Q122 74HC4094

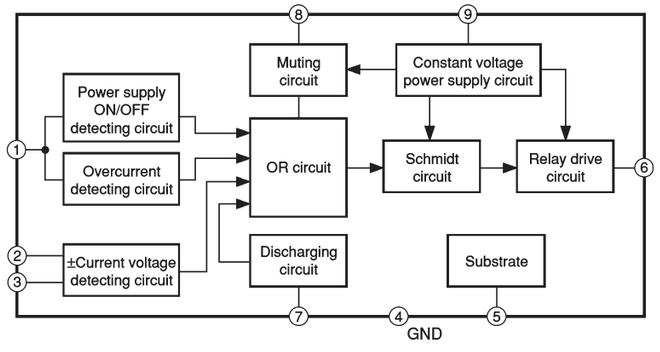
Port		I/O	name	Function	Description
1	CE	IN	STROBE		
2	DATA	IN	DATA		
3	CLK	IN	CLOCK		
4	Q1	OUT	TONE	Tone relay ON	Active H
5	Q2	OUT	SPK1	Speaker output relay ON	Active H
6	Q3	OUT	SPK2	Speaker output relay ON	Active H
7	Q4	OUT	HP	Headphone output relay ON	Active H
8	GND		GND		
9	QS	OUT	-	-	
10	Q'S	OUT	SERIAL OUTPUT	-	
11	Q8	IN	-	-	
12	Q7	OUT	RO_2	Recorder_2 output relay ON	Active H
13	Q6	OUT	RO_1	Recorder_1 output relay ON	Active H
14	Q5	OUT	MM	Phono MM relay ON	Active H
15	OE	IN	OUTPUT ENABLE		
16	VCC		VCC		

PD01 / QB21 : PC817

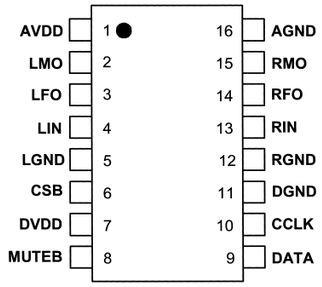


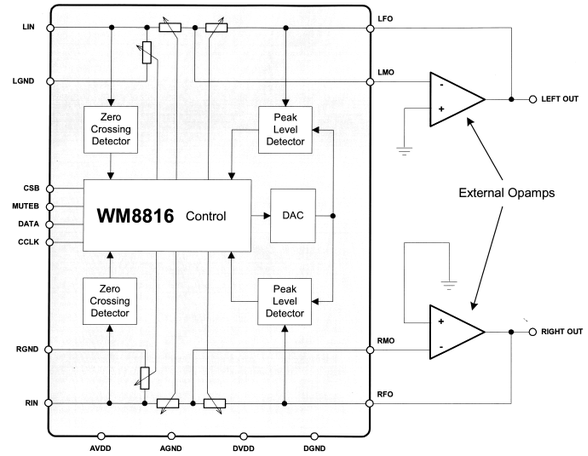
① Anode
② Cathode
③ Emitter
④ Collector

P901 / Q901 : TA7317P



P101 / Q515 : WM8816



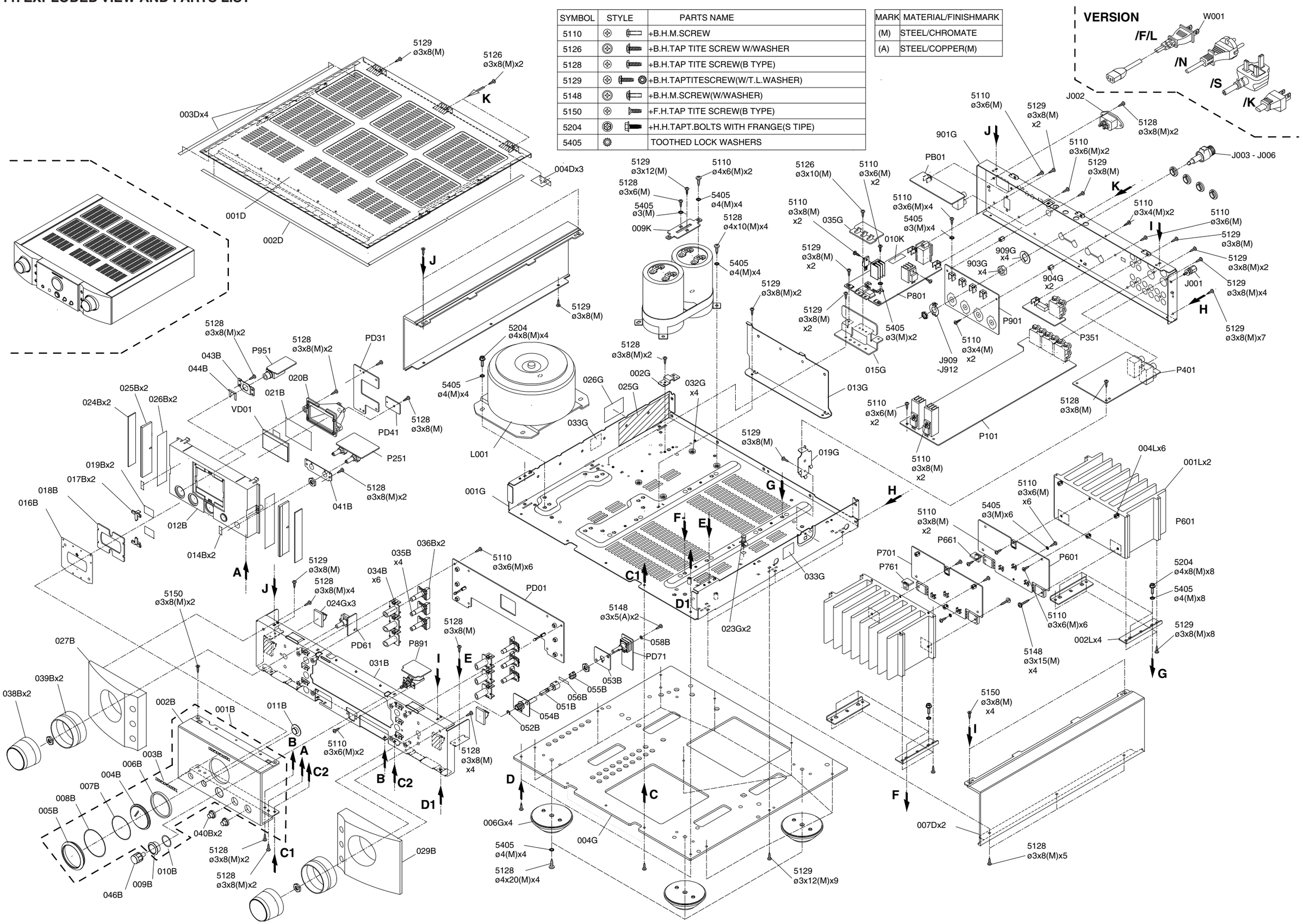


PIN	NAME	TYPE	DESCRIPTION
1	AVDD	Supply	Supply Voltage for Analogue Circuitry
2	LMO	Analogue Output	External Op-amp Inverting Input (Left Channel)
3	LFO	Analogue Input	External Op-amp Feedback Signal (Left Channel)
4	LIN	Analogue Input	Input Signal (Left Channel)
5	LGND	Analogue Input	Input Signal Ground (Left Channel)
6	CSB	Digital Input	Chip Select (active low)
7	DVDD	Supply	Supply Voltage for Digital Circuitry
8	MUTEB	Digital Input	Mute (active low)
9	DATA	Digital In / Out	Serial Interface Data Input / Output (tri-state)
10	CCLK	Digital Input	Serial Interface Clock
11	DGND	Supply	Digital Ground
12	RGND	Analogue Input	Input Signal Ground (Right Channel)
13	RIN	Analogue Input	Input Signal (Right Channel)
14	RFO	Analogue Input	External Op-amp Feedback Signal (Right Channel)
15	RMO	Analogue Output	External Op-amp Inverting Input (Right Channel)
16	AGND	Supply	Analogue Ground

11. EXPLODED VIEW AND PARTS LIST

SYMBOL	STYLE	PARTS NAME
5110		+B.H.M.SCREW
5126		+B.H.TAP TITE SCREW W/WASHER
5128		+B.H.TAP TITE SCREW(B TYPE)
5129		+B.H.TAPTITESCREW(W/T.L.WASHER)
5148		+B.H.M.SCREW(W/WASHER)
5150		+F.H.TAP TITE SCREW(B TYPE)
5204		+H.H.TAPT.BOLTS WITH FRANGE(S TIPE)
5405		TOOTHED LOCK WASHERS

MARK	MATERIAL/FINISHMARK
(M)	STEEL/CHROMATE
(A)	STEEL/COPPER(M)



PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
	001B	/F N	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/K1G	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/L1G	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/N1G	99M10AJ248410	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	001B	/N1S	99M10AJ248420	99M10AJ248420	PANEL ASSY	FRONT PANEL ASSY SL
	001B	/S1G	nsp	99M10AJ248410	PANEL ASSY	FRONT PANEL ASSY GL
	011B		00M256J355030	00M256J355030	LENS	IR LENS
	012B		00M10AJ105050	00M10AJ105050	CHASSIS	FRONT MOLD CHASSIS
	016B	/F N	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/K1G	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/L1G	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/N1G	00M10AJ265110	00M10AJ265110	INDICATOR	LCD ESC (GL)
	016B	/N1S	00M10AJ265210	00M10AJ265210	INDICATOR	LCD ESC (SL)
	016B	/S1G	nsp	00M10AJ265110	INDICATOR	LCD ESC (GL)
	024B		00M18AK355010	00M18AK355010	LENS	SIDE LENS
	027B	/F N	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/K1G	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/L1G	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/N1G	00M10AJ063110	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	027B	/N1S	00M10AJ063210	00M10AJ063210	ESCUTCHEON	SIDE ESC. (L/SL)
	027B	/S1G	nsp	00M10AJ063110	ESCUTCHEON	SIDE ESC. (L/GL)
	029B	/F N	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/K1G	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/L1G	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/N1G	00M10AJ063120	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	029B	/N1S	00M10AJ063220	00M10AJ063220	ESCUTCHEON	SIDE ESC. (R/SL)
	029B	/S1G	nsp	00M10AJ063120	ESCUTCHEON	SIDE ESC. (R/GL)
	034B	/F N	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/K1G	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/L1G	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/N1G	00M04AJ259210	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	034B	/N1S	00M04AJ259110	00M04AJ259110	BUSHING	FUNCTION BUTTON BUSH SILVER
	034B	/S1G	nsp	00M04AJ259210	BUSHING	FUNCTION BUTTON BUSH GOLD
	035B	/F N	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/K1G	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/L1G	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/N1G	00M04AJ270120	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	035B	/N1S	00M04AJ270220	00M04AJ270220	BUTTON	FUNCTION BUTTON LIGHTING (SL)
	035B	/S1G	nsp	00M04AJ270120	BUTTON	FUNCTION BUTTON LIGHTING (GL)
	036B	/F N	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/K1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/L1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/N1G	00M04AJ270130	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	036B	/N1S	00M04AJ270230	00M04AJ270230	BUTTON	FUNCTION BUTTON (SL)
	036B	/S1G	nsp	00M04AJ270130	BUTTON	FUNCTION BUTTON (GL)
	038B	/F N	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/K1G	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/L1G	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/N1G	00M10AJ154110	00M10AJ154110	KNOB	MASTER KNOB (GL)
	038B	/N1S	00M10AJ154210	00M10AJ154210	KNOB	MASTER KNOB (SL)
	038B	/S1G	nsp	00M10AJ154110	KNOB	MASTER KNOB (GL)
	039B	/F N	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/K1G	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/L1G	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/N1G	00M04AJ353110	00M04AJ353110	RING	MASTER KNOB RING (GL)
	039B	/N1S	00M04AJ353210	00M04AJ353210	RING	MASTER KNOB RING (SL)
	039B	/S1G	nsp	00M04AJ353110	RING	MASTER KNOB RING (GL)
	040B	/F N	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/K1G	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/L1G	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/N1G	00M10AJ154120	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	040B	/N1S	00M10AJ154220	00M10AJ154220	KNOB	KNOB AL CAP (SL)
	040B	/S1G	nsp	00M10AJ154120	KNOB	KNOB AL CAP (GL)
	046B	/F N	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	046B	/K1G	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	046B	/L1G	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
	046B	/N1G	00M04AJ270110	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	046B	/N1S	00M04AJ270210	00M04AJ270210	BUTTON	POWER BUTTON (SL)
	046B	/S1G	nsp	00M04AJ270110	BUTTON	POWER BUTTON (GL)
	001D	/F N	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/K1G	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/L1G	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/N1G	00M04AJ257520	00M04AJ257520	LID	TOP COVER ASSY (GL)
	001D	/N1S	00M04AJ257530	00M04AJ257530	LID	TOP COVER ASSY (SL)
	001D	/S1G	nsp	00M04AJ257520	LID	TOP COVER ASSY (GL)
	007D	/F N	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/K1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/L1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/N1G	00M18AK249110	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	007D	/N1S	00M18AK249210	00M18AK249210	SIDE PANEL	SIDE PANEL AL SL
	007D	/S1G	nsp	00M18AK249110	SIDE PANEL	SIDE PANEL AL GL
	006G	/F N	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/K1G	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/L1G	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/N1G	00M04AJ057510	00M04AJ057510	LEG	LEGS (GOLD)
	006G	/N1S	00M04AJ057520	00M04AJ057520	LEG	LEGS (SILVER)
	006G	/S1G	nsp	00M04AJ057510	LEG	LEGS (GOLD)
	C001		00MOB15906380	00MOB15906380	ELECT. CAP.	15000UF/63V NICHICON PB-FREE
	C002		00MOB15906380	00MOB15906380	ELECT. CAP.	15000UF/63V NICHICON PB-FREE
	J001		00MYL03010300	00MYL03010300	TERMINAL	GLD GND TERMINAL W/M3 TAP TIGHT
	⚠ J002		00MYJ04002550	00MYJ04002550	JACK	! MAINS CORD INLET TYPE HF-301
	J003		00MYT01010360	00MYT01010360	TERMINAL	WBT-0765 POLE TERMINAL RED
	J004		00MYT01010360	00MYT01010360	TERMINAL	WBT-0765 POLE TERMINAL RED
	J005		00MYT01010370	00MYT01010370	TERMINAL	WBT-0765 POLE TERMINAL WHT
	J006		00MYT01010370	00MYT01010370	TERMINAL	WBT-0765 POLE TERMINAL WHT
	⚠ L001	/F N	nsp	00MTS42003080	TRANSF.	# FOR F
	⚠ L001	/K1G	nsp	00MTS42003100	TRANSF.	# FOR K
	⚠ L001	/L1G	nsp	00MTS42003110	TRANSF.	# FOR L
	⚠ L001	/N1G	00MTS42003090	00MTS42003090	TRANSF.	# FOR N, S
	⚠ L001	/N1S	00MTS42003090	00MTS42003090	TRANSF.	# FOR N, S
	⚠ L001	/S1G	nsp	00MTS42003090	TRANSF.	# FOR N, S
	L002		00MFC50160030	00MFC50160030	FERRITE CORE	FERRITE CORE TFCK-16-8-13
	L003		00MFC50160030	00MFC50160030	FERRITE CORE	FERRITE CORE TFCK-16-8-13
	VD01		00MHQ22901990	00MHQ22901990	DISPLAY	LCD MODULE FOR PM-11S1
	W028		nsp	00MYU14100520	FPC	14P P1.0
PACKING						
	001T	/F N	nsp	00M10AJ851110	USER GUIDE	USER GUIDE (F)
	001T	/K1G	nsp	00M10AJ851350	USER GUIDE	USER GUIDE (K+S+L)
	001T	/L1G	nsp	00M10AJ851350	USER GUIDE	USER GUIDE (K+S+L)
	001T	/N1G	00M10AJ851310	00M10AJ851310	USER GUIDE	USER GUIDE (N)
	001T	/N1S	00M10AJ851310	00M10AJ851310	USER GUIDE	USER GUIDE (N)
	001T	/S1G	nsp	00M10AJ851350	USER GUIDE	USER GUIDE (K+S+L)
	⚠ W001	/F N	nsp	00MZC01802080	MAINS CORD	# MAINS CORD MITY DC-302-J 125V 12A
	⚠ W001	/K1G	nsp	00MZC01808030	MAINS CORD	# MAINS CORD CHINA 250V 10A
	⚠ W001	/L1G	nsp	00MZC01807030	MAINS CORD	# MAINS CORD TAIWAN 10A 125V
	⚠ W001	/N1G	00MZC01803080	00MZC01803080	MAINS CORD	# 2P MAINS CORD 10A 250V CLASS2
	⚠ W001	/N1S	00MZC01803080	00MZC01803080	MAINS CORD	# 2P MAINS CORD 10A 250V CLASS2
	⚠ W001	/S1G	nsp	00MZC01804100	MAINS CORD	# MAINS CORD AC 250V 10A FOR UK
	Z001		00MZK04AJ0010	00MZK04AJ0010	UNIT KIT	REMOTE CONTROLLER RC-11PMS1
NOT STANDARD SPARE PARTS						
	001S		nsp	00M10AJ801010	PACKING CASE	PACKING CASE
	002S	/N1G	nsp	00M10AJ805010	MASS CARTON	MASTER CARTON
	002S	/N1S	nsp	00M10AJ805010	MASS CARTON	MASTER CARTON
	003S		nsp	00M10AJ809010	CUSHION	CUSHION (L/R)

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

12. ELECTRICAL PARTS LIST

PARTS INFORMATION

RESISTORS

1) 00MGD05×××140, Carbon film fixed resistor, ±5% 1/4W
2) 00MGD05×××160, Carbon film fixed resistor, ±5% 1/6W
① —— Resistance value

Examples ;
① Resistance value

0.1 Ω 001	10 Ω 100	1 kΩ 102	100 kΩ 104
0.5 Ω 005	18 Ω 180	2.7 kΩ 272	680 kΩ 684
1 Ω 010	100 Ω 101	10 kΩ 103	1 MΩ 105
6.8 Ω 068	390 Ω 391	22 kΩ 223	4.7 MΩ 475

Note : Please distinguish 1/4W from 1/6W by the shape of parts used actually.

CAPACITORS

CERAMIC CAP.
3) 00MDD1××××370 — ② ③ — Tolerance / Capacity value
Ceramic capacitor
Disc type
Temp.coeff.P350 ～N1000, 50V

Examples ;
② Tolerance (Capacity deviation)
±0.25 pF 0
±0.5 pF 1
±5% 5

＊ Tolerance of COMMON PARTS handled here are as follows :
0.5 pF～ 5 pF .... ±0.25 pF
6 pF～ 10 pF .... ±0.5 pF
12 pF～ 560 pF .... ±5%

③ Capacity value

0.5 pF 005	3 pF 030	100 pF 101
1 pF 010	10 pF 100	220 pF 221
1.5 pF 015	47 pF 470	560 pF 561

CERAMIC CAP.
4) 00MDK16×××300, — ④ — Capacity value
High dielectric constant ceramic capacitor
Disc type
Temp.chara. 2B4, 50V

Examples ;
④ Capacity value

100 pF 101	1000 pF 102	10000 pF 103
470 pF 471	2200 pF 222	

ELECTROLY CAP. (⏚)
5) 00MEA××××××10, — ⑤ ⑥ — Capacity value / Working voltage
Electrolytic capacitor
One-way lead type, Tolerance ±20%

Examples ;
⑤ Capacity value

0.1 µF 104	4.7 µF 475	100 µF 107
0.33 µF 334	10 µF 106	330 µF 337
1 µF 105	22 µF 226	1100 µF 118
		2200 µF 228

⑥ Working voltage

6.3V 006	25V 025
10V 010	35V 035
16V 016	50V 050

FILM CAP. (⏤)
6) 00MDF15×××350 → Plastic film capacitor
00MDF15×××310 → One-way type, Mylar ±5% 50V
00MDF16×××310 → Plastic film capacitor
One-way type, Mylar ±10% 50V
⑦ — Capacity value

Examples ;
⑦ Capacity value

0.001 µF (1000 pF) 102	0.1 µF 104
0.0018 µF 182	0.56 µF 564
0.01 µF 103	1 µF 105
0.015 µF 153	

NOTE ON SAFETY FOR FUSIBLE RESISTOR :

The suppliers and their type numbers of fusible resistors are as follows;

1. KOA Corporation

Part No. (MJI)	Type No. (KOA)	Description
00MNH05×××140	RF25S××××ΩJ	(±5% 1/4W)
00MNH05×××120	RF50S××××ΩJ	(±5% 1/2W)
00MNH85×××110	RF73B2A××××ΩJ	(±5% 1/10W)
00MNH95×××140	RF73B2E××××ΩJ	(±5% 1/4W)

＊ Resistance value — Resistance value (0.1 Ω – 10 kΩ)

2. Matsushita Electronic Components Co., Ltd

Part No. (MJI)	Type No. (MEC)	Description
00MNF05×××140	ERD-2FCJ×××	(±5% 1/4W)
00MRF05×××140		
00MNF02×××140	ERD-2FCG×××	(±2% 1/4W)
00MRF02×××140		

＊ Resistance value — ＊ Resistance value

Examples ;
＊ Resistance value

0.1 Ω 001	10 Ω 100	1 kΩ 102	100 kΩ 104
0.5 Ω 005	18 Ω 180	2.7 kΩ 272	680 kΩ 684
1 Ω 010	100 Ω 101	10 kΩ 103	1 MΩ 105
6.8 Ω 068	390 Ω 391	22 kΩ 223	4.7 MΩ 475

ABBREVIATION AND MARKS

ANT.	: ANTENNA	BATT.	: BATTERY
CAP.	: CAPACITOR	CER.	: CERAMIC
CONN.	: CONNECTING	DIG.	: DIGITAL
HP	: HEADPHONE	MIC.	: MICROPHONE
µ-PRO	: MICROPROCESSOR	REC.	: RECORDING
RES.	: RESISTOR	SPK	: SPEAKER
SW	: SWITCH	TRANSF.	: TRANSFORMER
TRIM.	: TRIMMING	TRS.	: TRANSISTOR
VAR.	: VARIABLE	X'TAL	: CRYSTAL

NOTE ON FUSE :

Regarding to all parts of parts code **00MFS20xxx2xx**, replace only with Wickmann-Werke GmbH, Type 372 non glass type fuse.

NOTE ON SAFETY :

Symbol ⚠ Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol ⚠. Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

安全上の注意：

⚠がついている部品は、安全上重要な部品です。必ず指定されている部品番号の部品を使用して下さい。

040623ecm

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
					PRE AMP PCB (00MWA10AJ101-)	
P101	C101	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C101	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C101	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C101	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C101	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C102	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C102	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C102	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C102	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C102	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C103	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C103	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C103	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C103	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C103	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C104	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C104	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C104	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C104	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C104	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C105	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C105	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C105	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C105	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C105	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C106	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C106	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C106	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C106	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C106	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C107	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C107	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C107	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C107	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C107	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C108	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C108	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C108	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C108	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C108	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C109	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C109	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C109	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C109	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C109	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C110	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C110	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C110	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C110	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C110	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C111	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C111	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C111	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C111	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C111	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C112	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C112	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C112	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C112	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C112	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C113	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C113	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C113	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C113	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C113	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P101	C114	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C114	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C115		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C121		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C122		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C123		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C124		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C125		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C126		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C129		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C130		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C140		00MDF15332350	00MDF15332350	FILM CAP.	0.0033UF,J,M,50V
P101	C141		00MDF15102350	00MDF15102350	FILM CAP.	0.001UF,J,M,50V
P101	C145		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P101	C146		00MOA33701020	00MOA33701020	ELECT. CAP.	330 UF M 10V RA-2
P101	C201		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C202		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C203		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C204		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P101	C205		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P101	C206		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P101	C207		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C208		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C209		00MOA10605020	00MOA10605020	ELECT. CAP.	10 UF M 50V RA-2
P101	C210		00MOA10605020	00MOA10605020	ELECT. CAP.	10 UF M 50V RA-2
P101	C501		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C502		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C503		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C504		00MOA226025Z0	00MOA226025Z0	ELECT. CAP.	ROS-25V 220M - F3#PE - T2 (22UF 25V)
P101	C505		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C506		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C507		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C508		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C509		00MOA106025R0	00MOA106025R0	ELECT. CAP.	ROA-25V 100M - E3#PE - T2 (10UF 25V)
P101	C510		00MOA106025R0	00MOA106025R0	ELECT. CAP.	ROA-25V 100M - E3#PE - T2 (10UF 25V)
P101	C511		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C512		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C513		00MOA226025R0	00MOA226025R0	ELECT. CAP.	ROA-25V 220M - F3#PE - T2 (22UF 25V)
P101	C514		00MOA226025R0	00MOA226025R0	ELECT. CAP.	ROA-25V 220M - F3#PE - T2 (22UF 25V)
P101	C515		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P101	C516	/F N	nsp	00MOA22702520	ELECT. CAP.	220 UF M 25V RA-2
P101	C516		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C517	/F N	nsp	00MOA22702520	ELECT. CAP.	220 UF M 25V RA-2
P101	C517		00MOA227025R0	00MOA227025R0	ELECT. CAP.	ROA-25V 221M -H5#PE - T2 (220UF 25V)
P101	C518		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P101	C521		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P101	C524		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P101	C551		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C552		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C553		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS
P101	C554		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS
P101	C555		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C556		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P101	C557		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C558		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P101	C851		00MOA108035R0	00MOA108035R0	ELECT. CAP.	ROA-35V 102M -K8#PE - S1 (1000UF 35V)
P101	C852		00MOA108035R0	00MOA108035R0	ELECT. CAP.	ROA-35V 102M -K8#PE - S1 (1000UF 35V)
P101	C853		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C854		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P101	C855		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	C856		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P101	D101		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D102		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P101	D103		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D104		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D105		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D106		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D107		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D108		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D109		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D201		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D501		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D502		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D503		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D504		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P101	D505		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D506		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D507		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D508		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D509		00MHD30511000	00MHD30511000	ZENER DIODE	5.1V ZENER EQUIVALENT
P101	D510		00MHD30511000	00MHD30511000	ZENER DIODE	5.1V ZENER EQUIVALENT
P101	D514		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D515		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D851		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D852		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P101	D853		00MHD32401000	00MHD32401000	ZENER DIODE	24V ZENER EQUIVALENT
P101	D854		00MHD32401000	00MHD32401000	ZENER DIODE	24V ZENER EQUIVALENT
P101	J101		00MYT02040970	00MYT02040970	TERMINAL	YKC21-3269 GOLD
P101	J102		00MYT02040970	00MYT02040970	TERMINAL	YKC21-3269 GOLD
P101	J103		00MYT02040970	00MYT02040970	TERMINAL	YKC21-3269 GOLD
P101	L101		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L102		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L103		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L104		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L105		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L106		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L107		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L110		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L111		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L201		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L202		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	L551		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P101	Q101		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q102		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q103		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q104		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q105		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q106		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q107		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q108		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q109		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q110		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q111		00MHC709449B0	00MHC709449B0	IC	74HC4094 16PIN DIP PHILIPS
P101	Q112		00MHC709449B0	00MHC709449B0	IC	74HC4094 16PIN DIP PHILIPS
P101	Q113		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q201		00MHC10053090	00MHC10053090	IC	IC NJM2068DD:MONO
P101	Q202		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q501		00MHC12263090	00MHC12263090	IC	NJM5532LD
P101	Q502		00MHC12263090	00MHC12263090	IC	NJM5532LD
P101	Q503		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q504		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q505		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q506		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q507		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q508		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P101	Q509		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q510		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P101	Q511		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q512		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P101	Q513		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q514		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P101	Q515		00MHC10211990	00MHC10211990	IC	WM8816 VOLUME CONTROL IC
P101	Q551		00MHC12263090	00MHC12263090	IC	NJM5532LD
P101	Q553		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P101	Q851		00MHT41415100	00MHT41415100	TRS.	TRANSISTOR 2SD1415
P101	Q852		00MHT21020100	00MHT21020100	TRS.	2SB1020
P101	Q853		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P101	Q854		00MHT800921B0	00MHT800921B0	TRS.	KTC3199 NPN TRANSISTOR RANK=Y
P101	R101		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R102		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R103		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R104		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R105		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R106		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R107		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R108		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R109		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R110		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R111		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R112		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R113		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R114		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R115		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R116		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R117		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R118		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R121		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P101	R122		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P101	R123		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R124		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R125		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R126		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R131		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R132		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R133		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R134		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R135		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R201		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R202		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R203		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R204		nsp	00MGD05272160	RES.	2.7K OHM +- 5% 1/6W
P101	R205		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R206		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R207		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R208		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R211		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R212		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R503		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R504		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R505		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R506		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R507		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R508		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R509		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R510		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R511		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R512		nsp	00MGD05151160	RES.	150 OHM +- 5% 1/6W
P101	R513		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R514		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R515		nsp	00MGD05225160	RES.	2.2M OHM +- 5% 1/6W
P101	R516		nsp	00MGD05225160	RES.	2.2M OHM +- 5% 1/6W
P101	R517		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R518		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R519		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P101	R520		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P101	R521		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R522		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R523		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R524		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R525		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P101	R526		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P101	R529		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R530		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P101	R531		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R532		nsp	00MGD05470160	RES.	47 OHM +- 5% 1/6W
P101	R535		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R536		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R537		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R538		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R551		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R552		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P101	R553		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P101	R554		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P101	R555		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R556		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P101	R557		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R558		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P101	R559		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R560		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P101	R851		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R852		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P101	R853		nsp	00MGD05153160	RES.	15K OHM +- 5% 1/6W
P101	R854		nsp	00MGD05153160	RES.	15K OHM +- 5% 1/6W
P101	R855		nsp	00MGD05681160	RES.	680 OHM +- 5% 1/6W
P101	R856		nsp	00MGD05681160	RES.	680 OHM +- 5% 1/6W
					TONE VOL, (00MWG10AJ307-)	
P251	C251		00MOA22505020	00MOA22505020	ELECT. CAP.	2.2 UF M 50V RA-2
P251	C252		00MOA22505020	00MOA22505020	ELECT. CAP.	2.2 UF M 50V RA-2
P251	C253		00MOF15683040	00MOF15683040	FILM CAP.	0.068UF +-5% 50V MTFV
P251	C254		00MOF15683040	00MOF15683040	FILM CAP.	0.068UF +-5% 50V MTFV
P251	C255		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P251	C256		00MOF15103540	00MOF15103540	FILM CAP.	APSV 103J,0.01UF(TP) 100V PP
P251	C257		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P251	C258		00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P251	C259		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	C260		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	C261		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	C262		00MOA10702520	00MOA10702520	ELECT. CAP.	100 UF M 25V RA-2
P251	Q251		00MHC10053090	00MHC10053090	IC	IC NJM2068DD:MONO
P251	Q252		00MHC10053090	00MHC10053090	IC	IC NJM2068DD:MONO
P251	R251		00MRM01031280	00MRM01031280	VAR. RES.	10K(B)X2 K09G0A0C
P251	R252		00MRM01031280	00MRM01031280	VAR. RES.	10K(B)X2 K09G0A0C
P251	R253		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R254		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R255		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
P251	R256		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
P251	R257		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R258		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
P251	R259		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
P251	R260		nsp	00MNN05563610	CHIP RES.	56K OHM +- 5% 1/16W
					PREOUT/MAININ SW (00MWA10AJ102-)	
P351	C351	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C351	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/K1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/L1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/N1G	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/N1S	00MOF15101540	00MOF15101540	FILM CAP.	100PF J 100V APSV
P351	C352	/S1G	nsp	00MOF15101540	FILM CAP.	100PF J 100V APSV

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P351	J351		00MYT02021130	00MYT02021130	TERMINAL	2P CINCH JACK YKC21-3255 (GOLD)
P351	L351		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
					PHONO AMP (00MWA10AJ203-)	
P401	C401		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C402		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C403		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	C404		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	C405		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C406		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C407		00MOA107025R0	00MOA107025R0	ELECT. CAP.	ROA-25V 101M -H4#PE - T2 (100UF 25V)
P401	C408		00MOA107025R0	00MOA107025R0	ELECT. CAP.	ROA-25V 101M -H4#PE - T2 (100UF 25V)
P401	C409		00MOF55681580	00MOF55681580	FILM CAP.	680PF 100V +-5% FNS
P401	C410		00MOF55681580	00MOF55681580	FILM CAP.	680PF 100V +-5% FNS
P401	C413		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P401	C414		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P401	C417		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P401	C418		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P401	C419		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C420		00MOF55102580	00MOF55102580	FILM CAP.	1000PF 100V FNS
P401	C421		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P401	C422		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P401	C423		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P401	C424		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P401	C425		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P401	C429	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/N1G	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/N1S	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C429	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/K1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/L1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/N1G	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/N1S	00MOF15221540	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C430	/S1G	nsp	00MOF15221540	FILM CAP.	APSV 221J,220PF(TP) 100V PP
P401	C431		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	C432		00MOF55101590	00MOF55101590	FILM CAP.	100PF 200V +- 5% FAS
P401	D401		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D402		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D403		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D404		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D405		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D406		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D407		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	D408		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P401	J191		00MYT02021390	00MYT02021390	TERMINAL	2P CINCH PIN JACK (T6743 BLK/BLK)
P401	J401		00MYT02021390	00MYT02021390	TERMINAL	2P CINCH PIN JACK (T6743 BLK/BLK)
P401	L401	/K1G	nsp	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L401	/L1G	nsp	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L401	/N1G	00MLC13240010	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L401	/N1S	00MLC13240010	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L401	/S1G	nsp	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L402	/K1G	nsp	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L402	/L1G	nsp	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L402	/N1G	00MLC13240010	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L402	/N1S	00MLC13240010	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L402	/S1G	nsp	00MLC13240010	CHOKE COIL	320 MH CHOKE COIL (TOROIDAL)
P401	L403		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P401	L404		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P401	Q401		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q402		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q403		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q404		00MHF203691B0	00MHF203691B0	F.E.T.	2SK369 BL VGDS-40V PD0.4W
P401	Q405		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P401	Q406		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P401	Q407		00MHC10027090	00MHC10027090	IC	NJM5534D
P401	Q408		00MHC10027090	00MHC10027090	IC	NJM5534D

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P401	Q409		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q410		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q411		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q412		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q413		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q414		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P401	Q415		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q416		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P401	Q417		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P401	R401		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R402		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R403		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
P401	R404		nsp	00MGD05330160	RES.	33 OHM +- 5% 1/6W
P401	R405		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P401	R406		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P401	R407		nsp	00MGD05155160	RES.	1.5M OHM +- 5% 1/6W
P401	R408		nsp	00MGD05155160	RES.	1.5M OHM +- 5% 1/6W
P401	R409		nsp	00MGD05393160	RES.	39K OHM +- 5% 1/6W
P401	R410		nsp	00MGD05393160	RES.	39K OHM +- 5% 1/6W
P401	R411		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R412		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R413		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R414		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R415		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R416		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R417		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R418		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P401	R419		nsp	00MGD05391160	RES.	390 OHM +- 5% 1/6W
P401	R420		nsp	00MGD05391160	RES.	390 OHM +- 5% 1/6W
P401	R421		nsp	00MGD05335160	RES.	3.3M OHM +- 5% 1/6W
P401	R422		nsp	00MGD05335160	RES.	3.3M OHM +- 5% 1/6W
P401	R423		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R424		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R425		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R426		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R427		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R428		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R429		nsp	00MGD05471160	RES.	470 OHM +- 5% 1/6W
P401	R430		nsp	00MGD05471160	RES.	470 OHM +- 5% 1/6W
P401	R431		nsp	00MGD05471160	RES.	470 OHM +- 5% 1/6W
P401	R432		nsp	00MGD05471160	RES.	470 OHM +- 5% 1/6W
P401	R433		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R434		nsp	00MGD05331160	RES.	330 OHM +- 5% 1/6W
P401	R435		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P401	R436		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P401	R437		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R438		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R439		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R440		nsp	00MGD05150160	RES.	15 OHM +- 5% 1/6W
P401	R441		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P401	R442		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P401	R443		nsp	00MGD05124160	RES.	120K OHM +- 5% 1/6W
P401	R444		nsp	00MGD05124160	RES.	120K OHM +- 5% 1/6W
P401	R447		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R448		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P401	R449		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P401	R450		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P401	R451		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P401	R452		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P401	R453		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
P401	R454		nsp	00MGD05221160	RES.	220 OHM +- 5% 1/6W
					POWER AMP L (00MWA10AJ201-)	
P601	C601		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P601	C602		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS
P601	C603		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P601	C604		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P601	C605		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P601	C606		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P601	C607		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P601	C608		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P601	C609		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P601	C610		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P601	C611		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P601	C612		00MOA47405020	00MOA47405020	ELECT. CAP.	0.47UF M 50V RA-2
P601	D601		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P601	D602		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P601	D603		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P601	D604		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P601	D605		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P601	D606		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P601	D609		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
P601	J607		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P601	J608		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P601	Q601		00MHC12263090	00MHC12263090	IC	NJM5532LD
P601	Q602		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P601	Q603		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q604		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	Q605		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	Q606		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q607		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	Q608		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q609		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P601	Q610		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P601	Q611		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P601	Q612		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P601	K603		00MHK185919C0	00MHK185919C0	TRS. KIT	2SA1859/C4883 PAIR FOR Q614/Q613
P601	Q613		nsp	nsp	TRS.	2SC4883 O OR Y PAIR WITH Q614
P601	Q614		nsp	nsp	TRS.	2SA1859 O OR Y PAIR WITH Q613
P601	Q615		00MHT332843D0	00MHT332843D0	TRS.	2SC3284 O,P,Y 125W FMG112
P601	Q616		00MHT113033D0	00MHT113033D0	TRS.	2SA1303 O,P,Y 125W FMG112
P601	Q617		00MHT334191Y0	00MHT334191Y0	TRS.	TRANSISTOR C3419 Y 40V 0.8A PC=1.2W (5W)
P601	Q618		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P601	Q619		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P601	R601		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P601	R602		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P601	R603		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P601	R604		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P601	R605		nsp	00MGD05123160	RES.	12K OHM +- 5% 1/6W
P601	R606		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P601	R607		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P601	R608		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P601	R612		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P601	R614		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P601	R617		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P601	R618		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P601	R621		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P601	R622		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P601	R623		00MRA02220760	00MRA02220760	TRIM. RES.	VARIABLE RESISTOR 2.2KOHM
P601	R624		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P601	R634		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P601	R635		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P601	R638		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P601	R639		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P601	R640		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P601	R641		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P601	R642		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P601	U629		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
					POSISTOR L (00MWA10AJ206-)	
P661	R661		00MHP00033240	00MHP00033240	VARISTOR	VARISTOR PTH9M04BC222TS2F333 (MURATA)
					POWER AMP R (00MWA10AJ202-)	
P701	C701		00MOA106035Z0	00MOA106035Z0	ELECT. CAP.	ROS-35V 100M - F3#PE - T2 (10UF 35V)
P701	C702		00MOF55220590	00MOF55220590	FILM CAP.	22PF 200V +- 5% FAS

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P701	C703		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P701	C704		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P701	C705		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P701	C706		00MOB47708050	00MOB47708050	ELECT. CAP.	470UF/80V NICHICON PB-FREE
P701	C707		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P701	C708		00MOA477025R0	00MOA477025R0	ELECT. CAP.	ROA-25V 471M -I6#PE - S13 (470UF 25V)
P701	C709		00MOF55331580	00MOF55331580	FILM CAP.	330PF 100V +- 5% FNS
P701	C710		00MOA476025Z0	00MOA476025Z0	ELECT. CAP.	ROS-25V 470M - G3#PE - T2 (47UF 25V)
P701	C711		00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P701	C712		00MOA47405020	00MOA47405020	ELECT. CAP.	0.47UF M 50V RA-2
P701	D701		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P701	D702		00MHD32001000	00MHD32001000	ZENER DIODE	20V ZENER EQUIVALENT
P701	D703		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P701	D704		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
P701	D705		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P701	D706		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P701	D709		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
P701	J707		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P701	J708		00MYP07001960	00MYP07001960	PLUG	IMSA-1068-06Z042 6P
P701	Q701		00MHC12263090	00MHC12263090	IC	NJM5532LD
P701	Q702		00MKH04AJ1020	00MKH04AJ1020	UNIT & H-IC	HDAM-SA2 MODULE WITHOUT COATING
P701	Q703		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q704		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	Q705		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	Q706		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q707		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	Q708		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q709		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P701	Q710		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P701	Q711		00MHT327052A0	00MHT327052A0	TRS.	2SC2705 O OR Y TAPING TOSHIBA
P701	Q712		00MHT111452A0	00MHT111452A0	TRS.	2SA1145 O OR Y TAPING TOSHIBA
P701	K703		00MHK185919C0	00MHK185919C0	TRS. KIT	2SA1859/C4883 PAIR FOR Q714/Q713
P701	Q713		nsp	nsp	TRS.	2SC4883 O OR Y PAIR WITH Q714
P701	Q714		nsp	nsp	TRS.	2SA1859 O OR Y PAIR WITH Q713
P701	Q715		00MHT332843D0	00MHT332843D0	TRS.	2SC3284 O,P,Y 125W FMG112
P701	Q716		00MHT113033D0	00MHT113033D0	TRS.	2SA1303 O,P,Y 125W FMG112
P701	Q717		00MHT334191Y0	00MHT334191Y0	TRS.	TRANSISTOR C3419 Y 40V 0.8A PC=1.2W (5W)
P701	Q718		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P701	Q719		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
P701	R701		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P701	R702		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P701	R703		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P701	R704		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P701	R705		nsp	00MGD05123160	RES.	12K OHM +- 5% 1/6W
P701	R706		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P701	R707		nsp	00MGD05100160	RES.	10 OHM +- 5% 1/6W
P701	R708		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P701	R712		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P701	R714		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P701	R717		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P701	R718		nsp	00MGD05105160	RES.	1M OHM +- 5% 1/6W
P701	R721		nsp	00MGD05472160	RES.	4.7K OHM +- 5% 1/6W
P701	R722		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P701	R723		00MRA02220760	00MRA02220760	TRIM. RES.	VARIABLE RESISTOR 2.2KOHM
P701	R724		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P701	R734		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P701	R735		00MGO05001050	00MGO05001050	RES.	0.1 OHMS +-5% 5W PBR58
P701	R738		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P701	R739		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P701	R740		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P701	R741		nsp	00MGD05223160	RES.	22K OHM +- 5% 1/6W
P701	R742		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P701	U733		00MHD20027010	00MHD20027010	DIODE	HSS81TD 150V 150MA AXIAL.
					POSISTOR R (00MWA10AJ207-)	
P761	R761		00MHP00033240	00MHP00033240	VARISTOR	VARISTOR PTH9M04BC222TS2F333 (MURATA)

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
					POWER SUPPLY (00MWA10AJ205-)	
P801	C803		00MOC33805040	00MOC33805040	ELECT. CAP.	3300UF/50V NICHICON UFW1H332MHDIAA
P801	C804		00MOC33805040	00MOC33805040	ELECT. CAP.	3300UF/50V NICHICON UFW1H332MHDIAA
P801	C807		00MOA47802520	00MOA47802520	ELECT. CAP.	4700UF/25V RA-2
P801	C808		00MOA106025R0	00MOA106025R0	ELECT. CAP.	ROA-25V 100M - E3#PE - T2 (10UF 25V)
P801	C809		00MOA47702520	00MOA47702520	ELECT. CAP.	470UF 25V M RA-2
P801	C810		00MOA10505020	00MOA10505020	ELECT. CAP.	1 UF M 50V RA-2
P801	C811		00MOA10505020	00MOA10505020	ELECT. CAP.	1 UF M 50V RA-2
P801	C812		00MOA47701020	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
P801	C813		00MOA10605020	00MOA10605020	ELECT. CAP.	10 UF M 50V RA-2
P801	C814		00MOA47701020	00MOA47701020	ELECT. CAP.	470 UF M 10V RA-2
P801	D801		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D802		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D803		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D804		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D806		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D807		00MHD31601000	00MHD31601000	ZENER DIODE	16V ZENER EQUIVALENT
P801	D808		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D809		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P801	D811		00MHE10005100	00MHE10005100	DIODE	SBD UNIT FCH20A15 TO-220
P801	D812		00MHE10006100	00MHE10006100	DIODE	SBD UNIT FRH20A15 TO-220
P801	D813		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D814		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D815		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	D816		00MHD20045290	00MHD20045290	DIODE	D1NJ10 100V 1A SBD TAPING
P801	⚠ F881	/F N	nsp	00MFS10800960	FUSE	# LF.8A/125V 0233008. 233 PSE UL CSA P
P801	⚠ F881	/K1G	nsp	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	⚠ F881	/L1G	nsp	00MFS10800960	FUSE	# LF.8A/125V 0233008. 233 PSE UL CSA P
P801	⚠ F881	/N1G	00MFS10400850	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	⚠ F881	/N1S	00MFS10400850	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	⚠ F881	/S1G	nsp	00MFS10400850	FUSE	# 4 A 250V BS LISTED
P801	⚠ F882	/F N	nsp	00MFS10125350	FUSE	# 1.25A 125V UL,CSA,MITI
P801	G801		00MBF47400020	00MBF47400020	CAP.COMP.	0.47UF+6.8OHM RFD2B474K
P801	G802		00MBF47400020	00MBF47400020	CAP.COMP.	0.47UF+6.8OHM RFD2B474K
P801	G803		00MBF47400020	00MBF47400020	CAP.COMP.	0.47UF+6.8OHM RFD2B474K
P801	J881	/F N	nsp	00MYJ04001590	JACK	AC OUTLET 1P
P801	L802		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	L803		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	L804		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	L805		00MLC21060720	00MLC21060720	CHOKE COIL	10MH SL1923-103KR33
P801	L806		00MLC21060720	00MLC21060720	CHOKE COIL	10MH SL1923-103KR33
P801	L807		00MFC90050130	00MFC90050130	FERRITE CORE	BL02RN2-R62T2 FERRITE BEAD
P801	Q804		00MHT800931A0	00MHT800931A0	TRS.	KTC3200 NPN TRANSISTOR RANK=GR
P801	Q805		00MHT41415100	00MHT41415100	TRS.	TRANSISTOR 2SD1415
P801	Q806		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P801	Q807		00MHC38505090	00MHC38505090	IC	NJM78M05FA
P801	R801		00MNK05010120	00MNK05010120	METAL RES.	1.0 OHM +-5% 1/2W ERG12SJW-E
P801	R802		00MNK05010120	00MNK05010120	METAL RES.	1.0 OHM +-5% 1/2W ERG12SJW-E
P801	R803		nsp	00MGD05682160	RES.	6.8K OHM +- 5% 1/6W
P801	R804		00MNK05010120	00MNK05010120	METAL RES.	1.0 OHM +-5% 1/2W ERG12SJW-E
P801	R805		nsp	00MGD05102160	RES.	1K OHM +- 5% 1/6W
P801	R806		nsp	00MGD05153160	RES.	15K OHM +- 5% 1/6W
P801	R807		nsp	00MGD05681160	RES.	680 OHM +- 5% 1/6W
P801	R808		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
P801	R810		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P801	R811		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P801	R812		nsp	00MGD05222160	RES.	2.2K OHM +- 5% 1/6W
P801	R813		nsp	00MGD05183160	RES.	18K OHM +- 5% 1/6W
P801	R814		nsp	00MGD05183160	RES.	18K OHM +- 5% 1/6W
P801	R815		nsp	00MGD05101160	RES.	100 OHM +- 5% 1/6W
					POWER SW (00MWA10AJ104-)	
P891	S891		00MSP01012500	00MSP01012500	PUSH SW	ESB92S13B TV-5 STROKE=1.5MM
					SPK, PROTECTION (00MWA10AJ204-)	
P901	C901		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P901	C902		00MOF55393580	00MOF55393580	FILM CAP.	0.039UF 100V +- 5% FAS
P901	C903	/K1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
P901	C903	/L1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C903	/N1G	00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C903	/N1S	00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C903	/S1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C904	/K1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C904	/L1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C904	/N1G	00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C904	/N1S	00MOF55103580	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C904	/S1G	nsp	00MOF55103580	FILM CAP.	0.01UF 100V +- 5% FNS
P901	C905		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P901	C908		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P901	C909		00MOA47602520	00MOA47602520	ELECT. CAP.	47 UF M 25V RA-2
P901	C910		00MOA47405020	00MOA47405020	ELECT. CAP.	0.47UF M 50V RA-2
P901	D901		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	D902		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	D903		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	D904		00MHD20002000	00MHD20002000	DIODE	1SS176,MA165,1SS254 30V 0.1A
P901	L901		00MLY20240310	00MLY20240310	RELAY	VB 24MBU-510 5A/240VAC
P901	L902		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
P901	Q901		00MHC10042050	00MHC10042050	IC	IC TA7317P
P901	Q902		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P901	Q903		00MBA20001000	00MBA20001000	TRS.	DTC114ES/UN4211 10K,10K
P901	Q904		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P901	Q905		00MHT600111B0	00MHT600111B0	TRS.	KTA1267 PNP TRANSISTOR RANK=Y
P901	R905		nsp	00MGD05683160	RES.	68K OHM +- 5% 1/6W
P901	R906		nsp	00MGD05683160	RES.	68K OHM +- 5% 1/6W
P901	R907		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R908		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R909		nsp	00MGD05332160	RES.	3.3K OHM +- 5% 1/6W
P901	R910		nsp	00MGD05224160	RES.	220K OHM +- 5% 1/6W
P901	R911		nsp	00MGD05683160	RES.	68K OHM +- 5% 1/6W
P901	R912		nsp	00MGD05333160	RES.	33K OHM +- 5% 1/6W
P901	R913		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
P901	R914		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R916		nsp	00MGD05473160	RES.	47K OHM +- 5% 1/6W
P901	R919		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
P901	R921		nsp	00MGD05103160	RES.	10K OHM +- 5% 1/6W
P901	R922		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
P901	R923		nsp	00MGD05104160	RES.	100K OHM +- 5% 1/6W
					HEAD PHONE (00MWA10AJ103-)	
P951	J951		00MYJ01003880	00MYJ01003880	JACK	H.P. JACK HLJ0540-01-430 GREY
					LINK (00MWG10AJ306-)	
PB01	CB01		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB12		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PB01	CB13		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PB01	CB14		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PB01	CB15		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB16		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB51		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	CB52		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PB01	DB01		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PB01	JB11		00MYJ01004670	00MYJ01004670	JACK	LGY6501-0600 3.5 MINI JACK
PB01	JB12		00MYJ01004670	00MYJ01004670	JACK	LGY6501-0600 3.5 MINI JACK
PB01	JB51		00MYT02020890	00MYT02020890	TERMINAL	2P CINCH PIN JACK
PB01	LB01		00MLY20240480	00MLY20240480	RELAY	MR82-24USR
PB01	LB02		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PB01	LB03		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PB01	QB01		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PB01	QB02		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PB01	QB05		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PB01	⚠ QB21		00MHW10006320	00MHW10006320	PHOTO UNIT	!PC-817 PHOTO COUPLER 1PAIR
PB01	RB03		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PB01	RB04		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PB01	RB05		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PB01	RB06		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PB01	RB08		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PB01	RB12		nsp	00MNN05561610	CHIP RES.	560 OHM +- 5% 1/16W
PB01	RB51		nsp	00MNN05470610	CHIP RES.	47 OHM +- 5% 1/16W
PB01	SB01		00MSS02021150	00MSS02021150	SLIDE SW	SLIDE SWITCH INT/EXT
					U COM (00MWG10AJ301-)	
PD01	CU01		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU02		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU03		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU04		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU05		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU06		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU07		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU08		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU09		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU11		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU12		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU13		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD01	CU14		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU15		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU16		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD01	CU17		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD01	CU18		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU19		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU21		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU22		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD01	CU28		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU29		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU30		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU31		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU40		nsp	00MDK96332300	CER. CAP.	3300PF (GR39)
PD01	CU44		nsp	00MDK96332300	CER. CAP.	3300PF (GR39)
PD01	CU61		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU65		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU66		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU67		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU71		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU75		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU76		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	CU77		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD01	DD02		00MHZ20018050	00MHZ20018050	CHIP DIODE	1SS302 (TOSHIBA)
PD01	DU03		00MHZ21005000	00MHZ21005000	CHIP DIODE	1SS301,DAN202U UMT TYPE
PD01	DU61		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F Φ 3
PD01	DU62		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	DU63		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	DU71		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F Φ 3
PD01	DU72		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	DU73		00MHI10047080	00MHI10047080	L.E.D.	SEL6E10C BLUE LED
PD01	LU01		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU02		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU03		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU04		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU05		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU06		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU07		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU08		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU09		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU10		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU11		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU12		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU13		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU14		00MFC90090010	00MFC90090010	FERRITE CORE	ZBF503D-00TA (NATIONAL)
PD01	LU15		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU16		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	LU17		00MFC90020210	00MFC90020210	FERRITE CORE	MLB-1608-1000A-N2
PD01	QD01		00MHT600121A0	00MHT600121A0	TRS.	KTA1268 PNP TRANSISTOR RANK=GR
PD01	QD30		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PD01	QD31		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU01		90M-HS10AJH0R	90M-HS10AJH0R	IC	HD64F3687H FLASH
PD01	QU02		00MHC10433990	00MHC10433990	IC	AT24C08AN-10SI-2.7
PD01	QU03		00MHC809449R0	00MHC809449R0	IC	74HC4094BT
PD01	QU04		00MHC10229210	00MHC10229210	IC	BD4727G 2.7V RESET IC
PD01	QU07		00MHX100012A0	00MHX100012A0	CHIP TRS.	2SA1586 (Y,GR) TE85L / 2SA1576A (Q,R)
PD01	QU08		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PD01	QU09		00MHX300012A0	00MHX300012A0	CHIP TRS.	2SC4081 (Q,R) 2SC4116 (Y,GR)
PD01	QU10		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU12		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU13		00MBA10013050	00MBA10013050	TRS.	RN2303(PNPX1(22K+22K))
PD01	QU14		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU15		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU16		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU17		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU18		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU19		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU20		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU21		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU22		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU61		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU62		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU63		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU71		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU72		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	QU73		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD01	RD02		nsp	00MNN05330610	CHIP RES.	33 OHM +- 5% 1/16W
PD01	RD04		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PD01	RU01		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PD01	RU02		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU03		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU05		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU06		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU12		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU13		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU14		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU15		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU16		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU17		nsp	00MNN05223610	CHIP RES.	22K OHM +- 5% 1/16W
PD01	RU18		nsp	00MNN05104610	CHIP RES.	100K OHM +- 5% 1/16W
PD01	RU19		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU20		nsp	00MNN05153610	CHIP RES.	15K OHM +- 5% 1/16W
PD01	RU21		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU22		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU23		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU24		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU25		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU26		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU27		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU28		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU29		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD01	RU30		nsp	00MNN05183610	CHIP RES.	18K OHM +- 5% 1/16W
PD01	RU31		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU32		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU33		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
PD01	RU35		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU36		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU37		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU38		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU41		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD01	RU61		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU62		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU63		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU64		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PD01	RU65		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD01	RU66		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W

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PCB NAME	POS. NO.	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	PART NAME	DESCRIPTION
PD01	RU67		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU68		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU69		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU70		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU71		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU72		nsp	00MNN05821610	CHIP RES.	820 OHM +- 5% 1/16W
PD01	RU81		nsp	00MNN05472610	CHIP RES.	4.7K OHM +- 5% 1/16W
PD01	RU82		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU83		nsp	00MNN05122610	CHIP RES.	1.2K OHM +- 5% 1/16W
PD01	RU84		nsp	00MNN05102610	CHIP RES.	1K OHM +- 5% 1/16W
PD01	RU85		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD01	RU86		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD01	RU87		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU88		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU89		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD01	RU90		nsp	00MNN05821610	CHIP RES.	820 OHM +- 5% 1/16W
PD01	SU61		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU62		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU63		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU71		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU72		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	SU73		00MSP01013370	00MSP01013370	PUSH SW	EVQ11L05R H/5MM,160GF
PD01	XU01		00MFQ08004060	00MFQ08004060	CER. VIB.	CSTS MG 8MHZ TAPING(15PF)
					IR SENSOR (00MWG10AJ302-)	
PD31	CD02		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	CD03		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD04		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD05		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD06		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD07		nsp	00MDK98105200	CER. CAP.	1UF 10V F
PD31	CD10		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	CD12		nsp	00MDK96102300	CER. CAP.	1000 PF +- 10 % B 50V GR36
PD31	CD13		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	CU23		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD31	DD01		00MHZ30751000	00MHZ30751000	CHIP DIODE	7.5V ZENER MA8075-M,UDPS7.5B
PD31	DU01		00MHI10005340	00MHI10005340	L.E.D.	HLMF-K200 #2UL RED H=9 3MM
PD31	DU02		00MHI10046080	00MHI10046080	L.E.D.	BLUE LED SELU2E10C-P-E/F Φ 3
PD31	QU05		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD31	QU06		00MBA21303000	00MBA21303000	TRS.	DTC124EU,RN1303 UMT TYPE
PD31	QU11		00MHW10004210	00MHW10004210	PHOTO UNIT	RPM6936-V4 (IR SENSOR)
PD31	RD01		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD31	RD05		nsp	00MNN05473610	CHIP RES.	47K OHM +- 5% 1/16W
PD31	RD06		nsp	00MNN05823610	CHIP RES.	82K OHM +- 5% 1/16W
PD31	RD07		nsp	00MNN05823610	CHIP RES.	82K OHM +- 5% 1/16W
PD31	RU08		nsp	00MNN05331610	CHIP RES.	330 OHM +- 5% 1/16W
PD31	RU09		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD31	RU10		nsp	00MNN05222610	CHIP RES.	2.2K OHM +- 5% 1/16W
PD31	RU11		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD31	RU34		nsp	00MNN05101610	CHIP RES.	100 OHM +- 5% 1/16W
					BACKLIGHT (00MWG10AJ305-)	
PD41	CD11		nsp	00MDK98104200	CER. CAP.	GRM39F104Z16 0.1UF MURATA
PD41	DD11		00MHI10005980	00MHI10005980	L.E.D.	NSPW515BS-S-CO
PD41	RD11		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
					SELECTOR ENCODER (00MWG10AJ304-)	
PD61	CU81		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD61	CU82		nsp	00MDK96103300	CER. CAP.	0.01UF +-10% 50V C1608JB1H103K
PD61	SU82		00MSR01120070	00MSR01120070	ROTARY SW	SRRSIC
					VOL, ENCODER (00MWG10AJ303-)	
PD71	RU57		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD71	RU58		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD71	RU59		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD71	RU60		nsp	00MNN05103610	CHIP RES.	10K OHM +- 5% 1/16W
PD71	SU81		00MSR02010120	00MSR02010120	ROTARY SW	EC12E2430804

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.